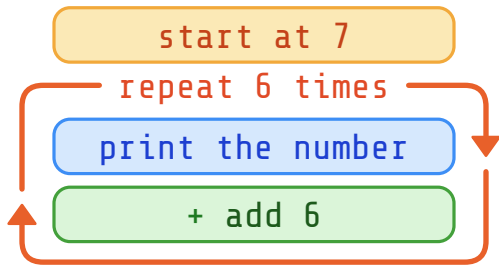




Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



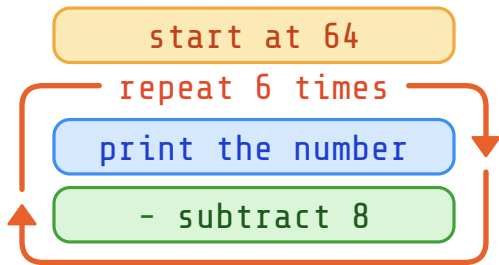
OUTPUT

7 13 19 25 32 37

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



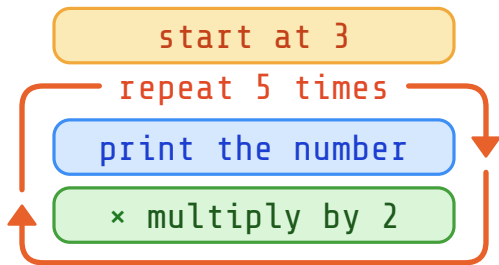
OUTPUT

64 56 47 40 32 24

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



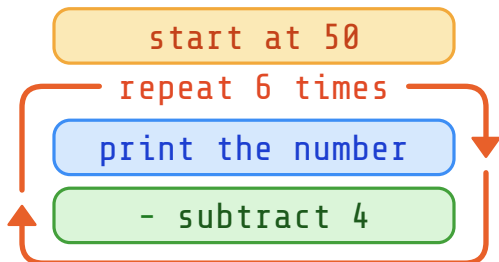
OUTPUT

3 6 12 42 48

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

50 45 40 35 30 25

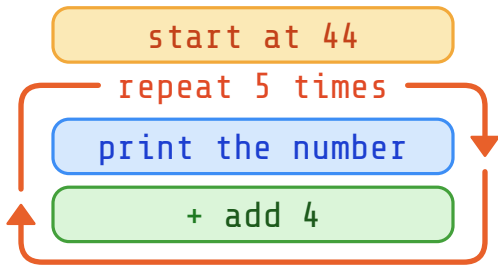
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



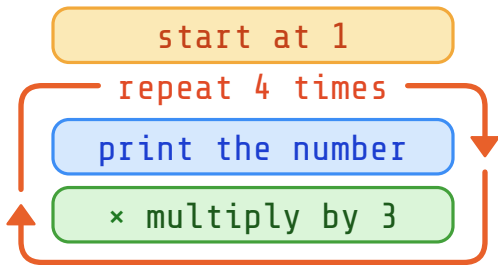
OUTPUT

44 48 42 56 60

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



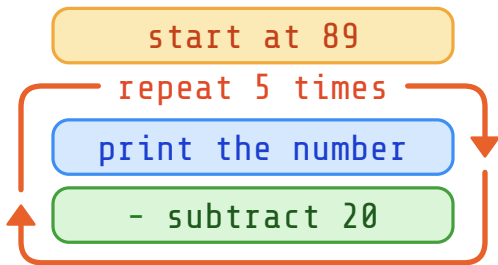
OUTPUT

1 2 9 27

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



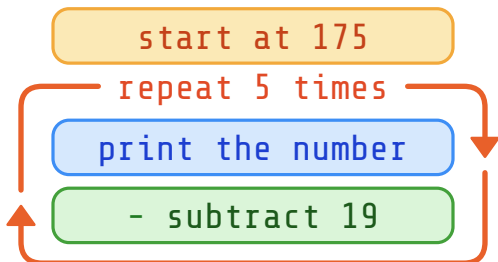
OUTPUT

89 69 50 29 9

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

175 155 135 115 95

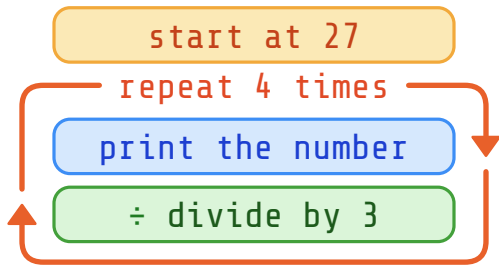
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



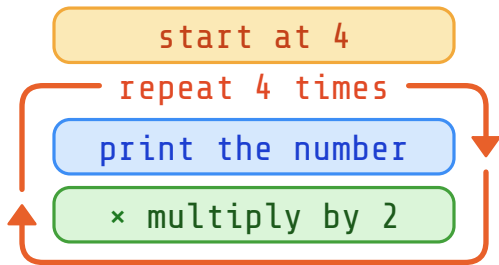
OUTPUT

27 9 5 1

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



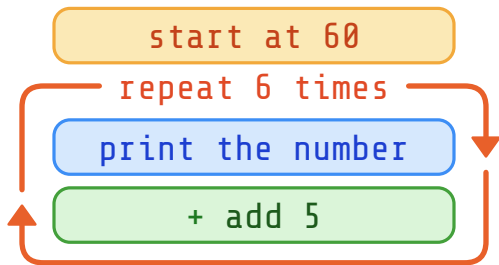
OUTPUT

4 18 16 32

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



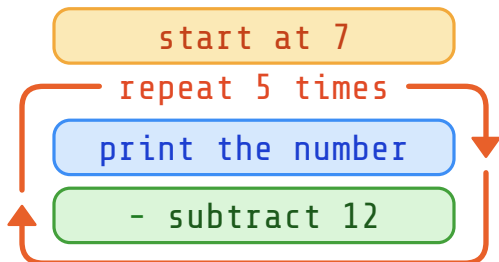
OUTPUT

60 55 70 75 80 85

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

7 19 31 43 55

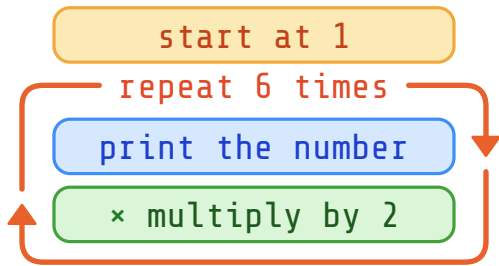
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



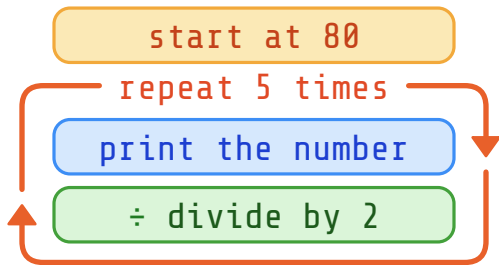
OUTPUT

1 2 4 8 6 32

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



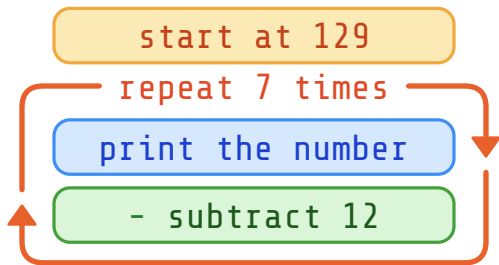
OUTPUT

80 40 30 10 5

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



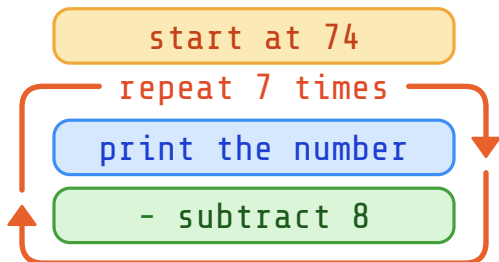
OUTPUT

129 117 105 92 81 69 57

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

74 67 60 53 46 39 32

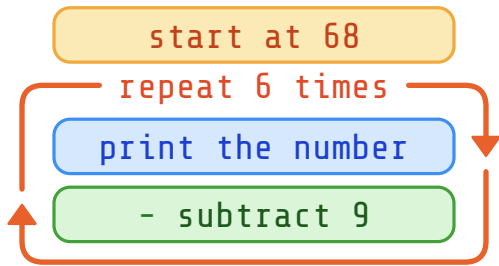
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



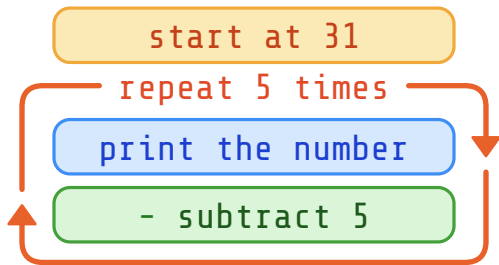
OUTPUT

68 59 50 41 32 13

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



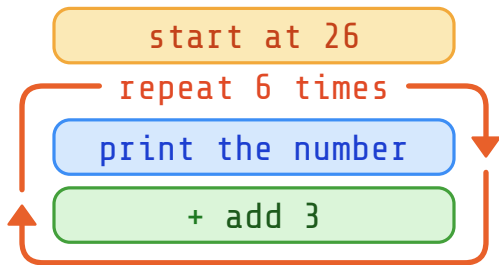
OUTPUT

31 26 21 6 11

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



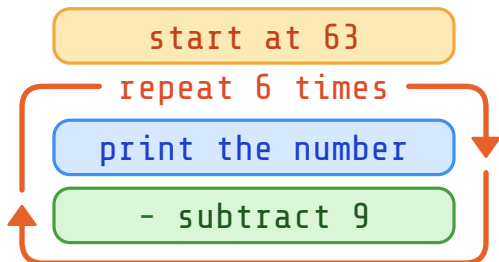
OUTPUT

26 29 32 35 28 41

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

63 53 43 33 23 13

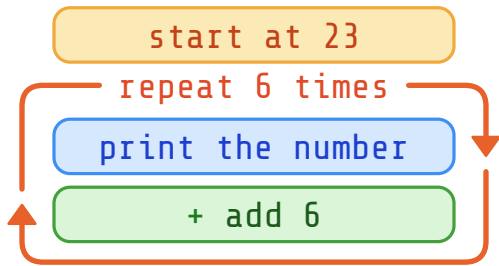
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



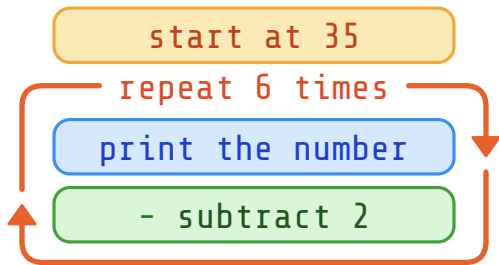
OUTPUT

23 29 35 41 48 53

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



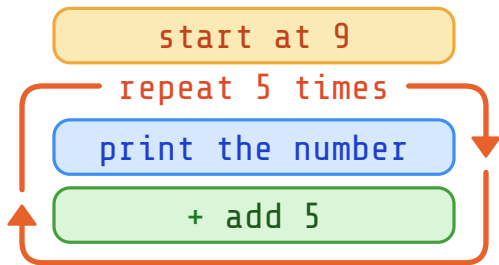
OUTPUT

35 32 31 29 27 25

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



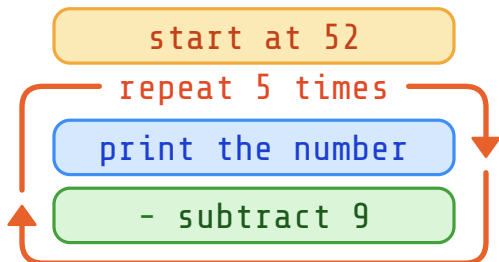
OUTPUT

9 12 19 24 29

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

52 42 32 22 12

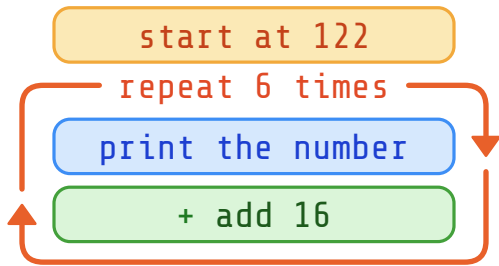
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



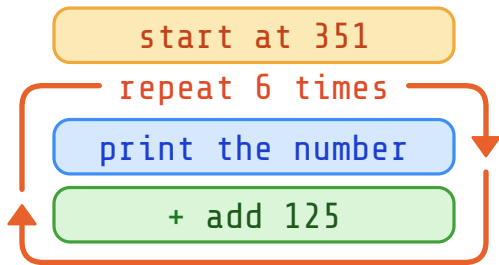
OUTPUT

122 138 154 170 196 202

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



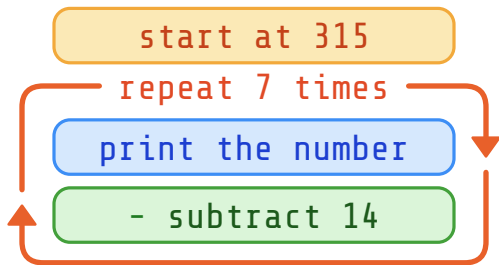
OUTPUT

351 476 601 762 851 976

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



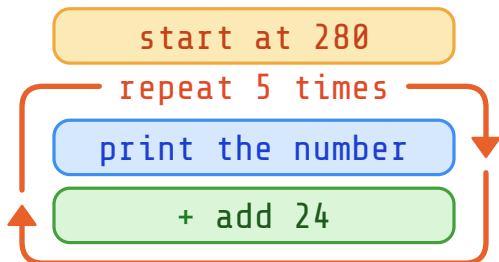
OUTPUT

315 301 287 273 258 245 231

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

280 256 232 208 184

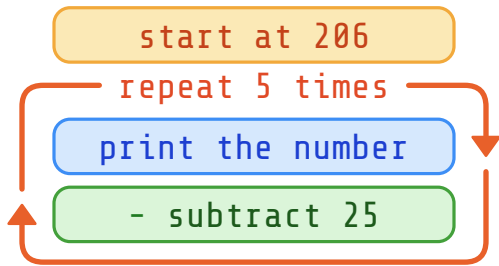
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?



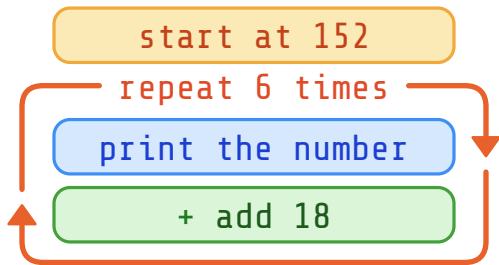
OUTPUT

206 181 156 121 106

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?



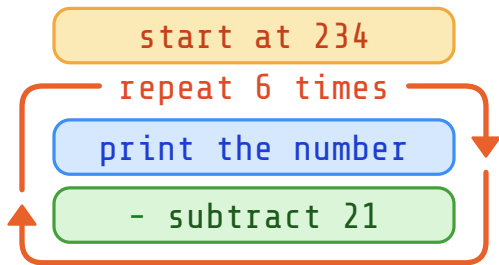
OUTPUT

152 160 188 206 224 242

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?



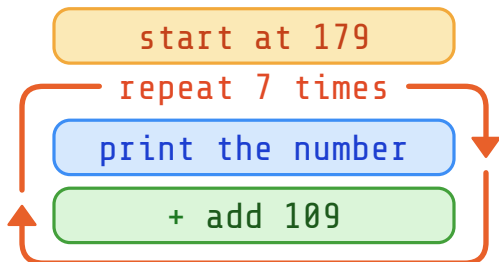
OUTPUT

234 213 182 171 150 129

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted



OUTPUT

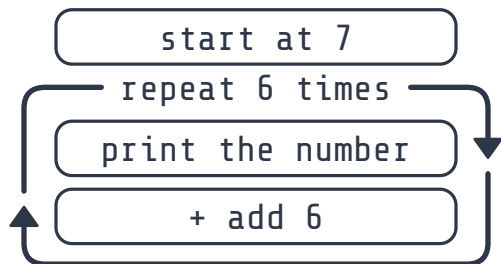
179 278 377 476 575 674 773

◀ Look at the code, circle the bug and explain how to fix it.

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



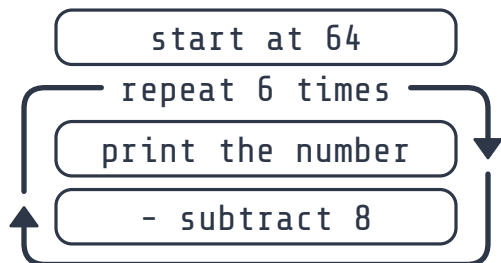
OUTPUT

7	13	19	25	32	37
---	----	----	----	----	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



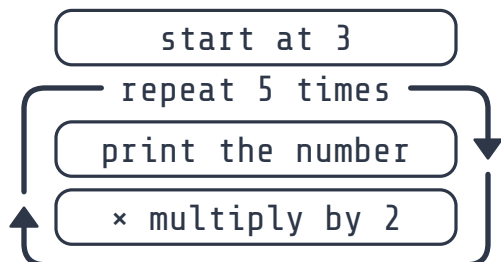
OUTPUT

64	56	47	40	32	24
----	----	----	----	----	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



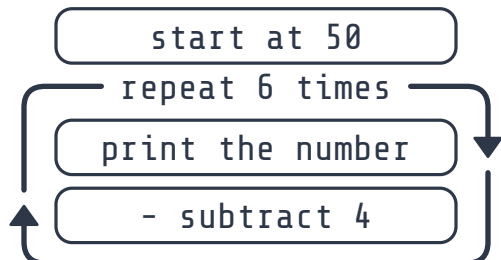
OUTPUT

3	6	12	42	48
---	---	----	----	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

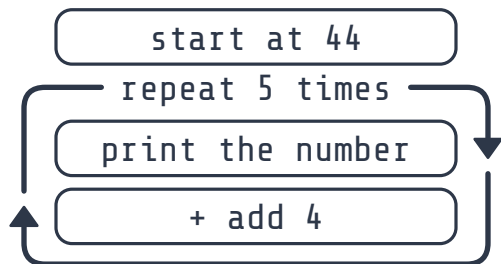
50	45	40	35	30	25
----	----	----	----	----	----

◀ Look at the code, circle the bug and explain how to fix it.

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



OUTPUT

44

48

42

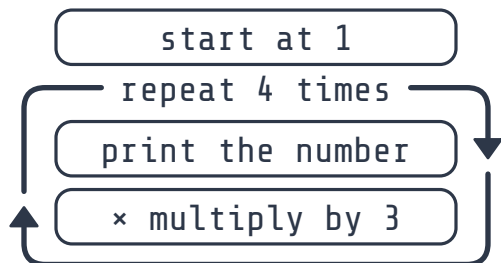
56

60

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



OUTPUT

1

2

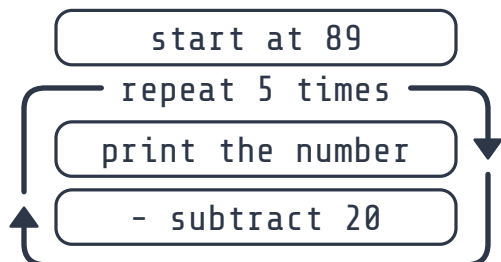
9

27

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



OUTPUT

89

69

50

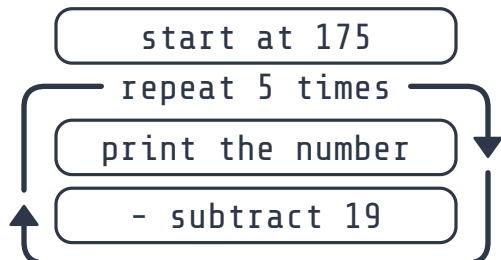
29

9

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

175

155

135

115

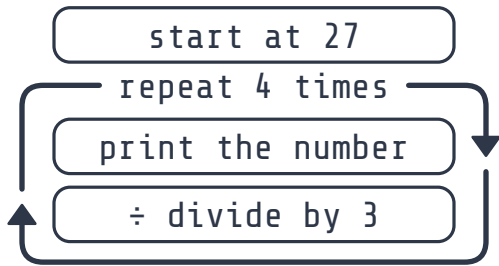
95

◀ Look at the code, circle the bug and explain how to fix it.

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



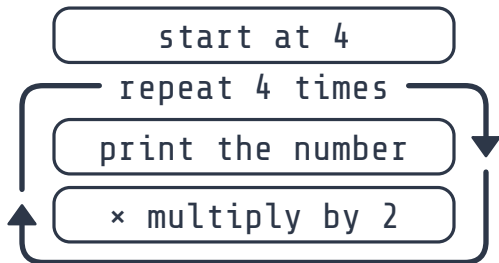
OUTPUT

27 9 5 1

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



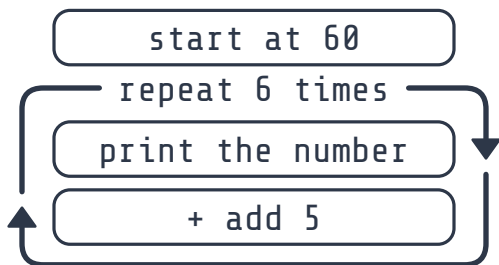
OUTPUT

4 18 16 32

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



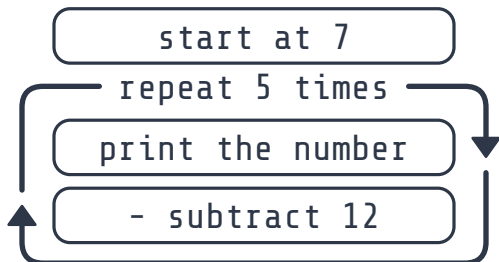
OUTPUT

60 55 70 75 80 85

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

7 19 31 43 55

◀ Look at the code, circle the bug and explain how to fix it.

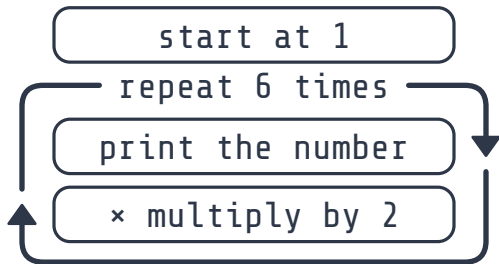


Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

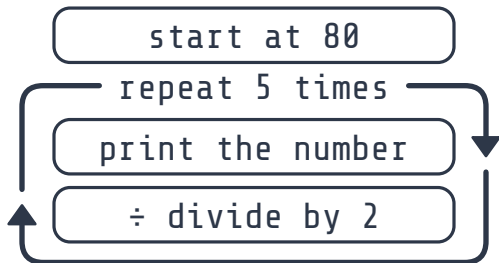
1 2 4 8 6 32

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

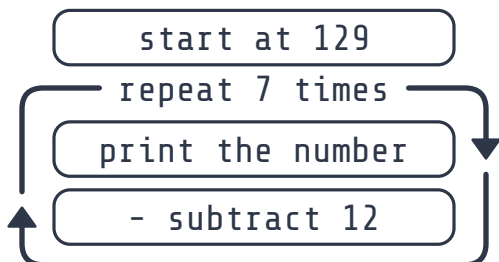
80 40 30 10 5

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

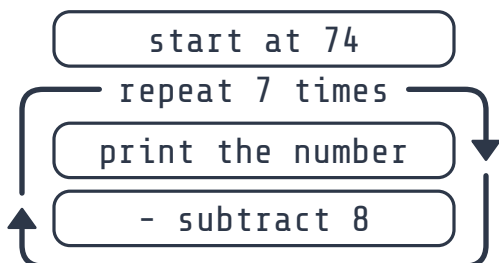
129 117 105 92 81 69 57

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

74 67 60 53 46 39 32

◀ Look at the code, circle the bug and explain how to fix it.

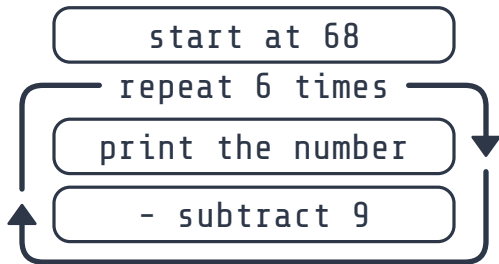


Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

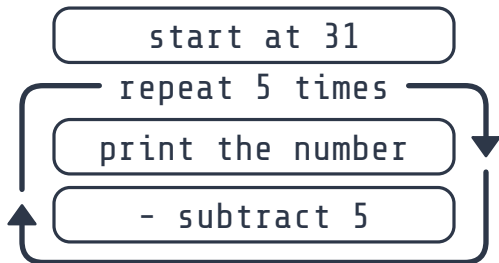
68	59	50	41	32	13
----	----	----	----	----	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

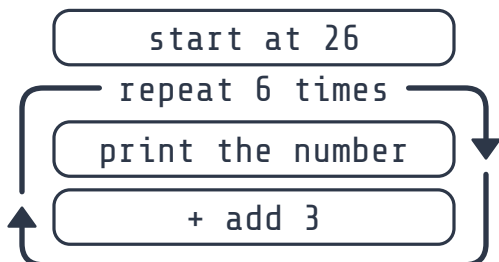
31	26	21	6	11
----	----	----	---	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

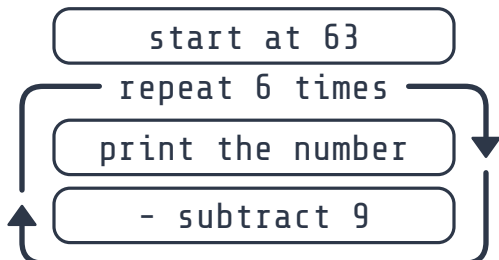
26	29	32	35	28	41
----	----	----	----	----	----

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

63	53	43	33	23	13
----	----	----	----	----	----

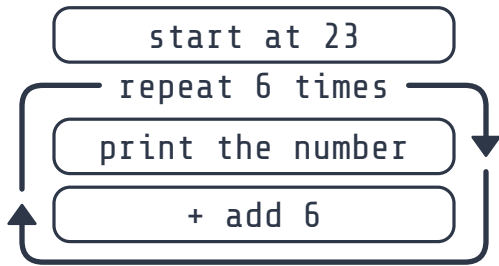
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



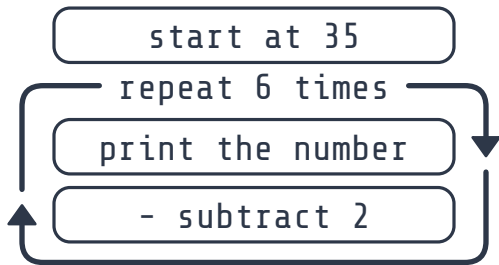
OUTPUT

23 29 35 41 48 53

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



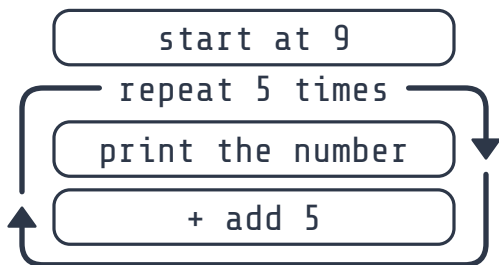
OUTPUT

35 32 31 29 27 25

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



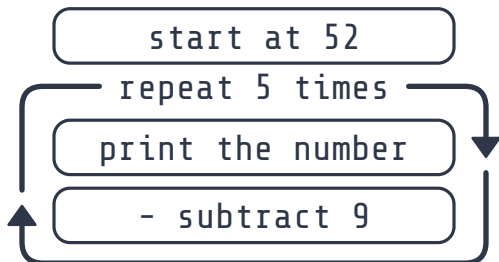
OUTPUT

9 12 19 24 29

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

52 42 32 22 12

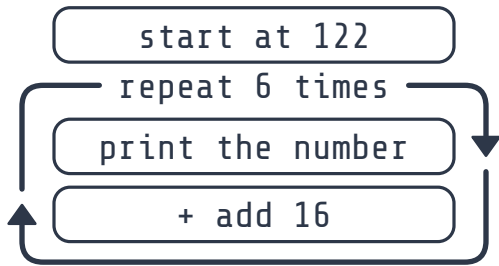
◀ Look at the code, circle the bug and explain how to fix it.



Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



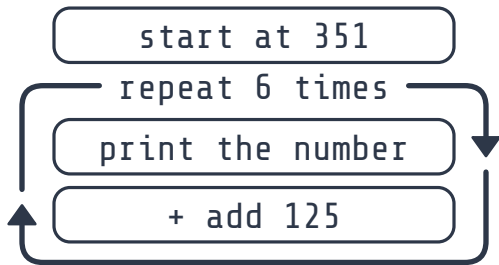
OUTPUT

122 138 154 170 196 202

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



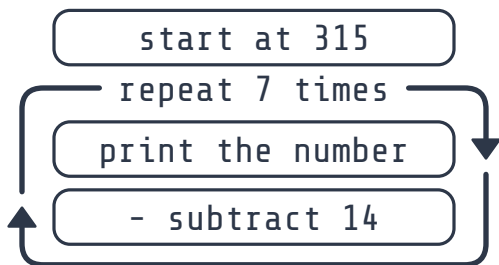
OUTPUT

351 476 601 762 851 976

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



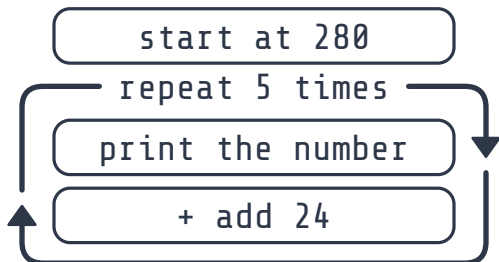
OUTPUT

315 301 287 273 258 245 231

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

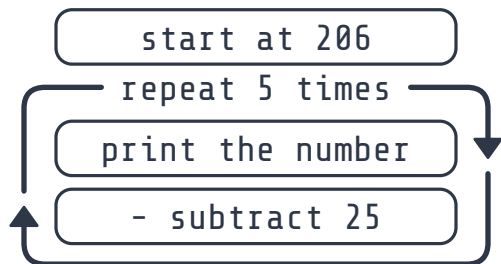
280 256 232 208 184

◀ Look at the code, circle the bug and explain how to fix it.

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output? ○○○



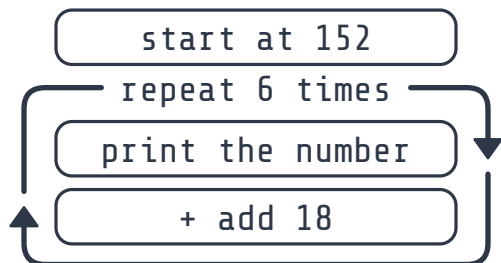
OUTPUT

206 181 156 121 106

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 2 // the code is right. Is the output? ○○○



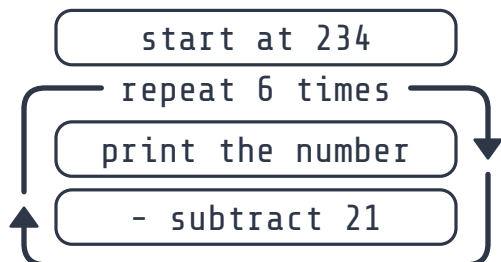
OUTPUT

152 160 188 206 224 242

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 3 // the code is right. Is the output? ○○○



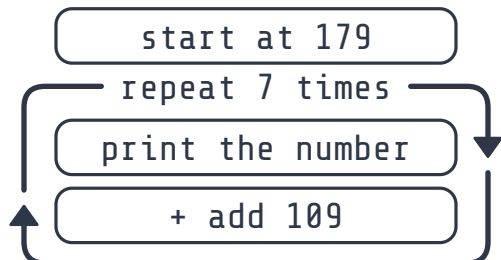
OUTPUT

234 213 182 171 150 129

Circle the incorrect number. Fix it: _____

What went wrong? _____

PROGRAM 4 // this is the output the programmer wanted ○○○



OUTPUT

179 278 377 476 575 674 773

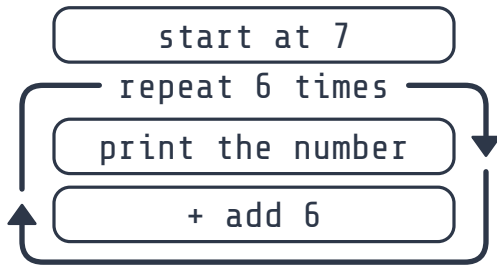
◀ Look at the code, circle the bug and explain how to fix it.

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

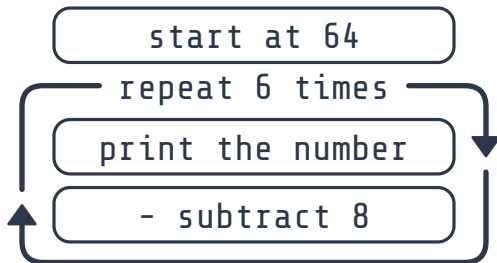
7 13 19 25 32 37

Circle the incorrect number. Fix it: 31

What went wrong? It added 7, not 6.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

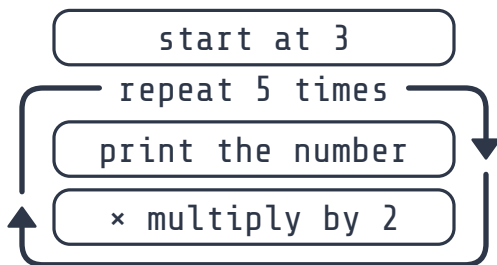
64 56 47 40 32 24

Circle the incorrect number. Fix it: 48

What went wrong? It subtracted 9, not 8.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

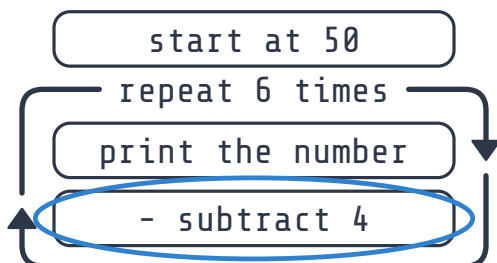
3 6 12 42 48

Circle the incorrect number. Fix it: 24

What went wrong? The digits of 24 got swapped.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

50 45 40 35 30 25

◀ Look at the code, circle the bug and explain how to fix it.

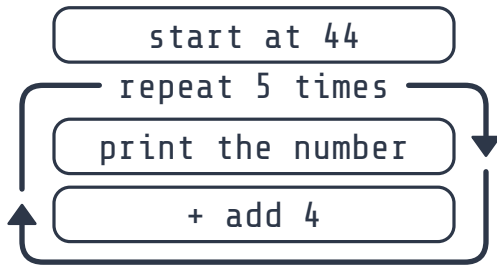
Change "subtract 4" to "subtract 5".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

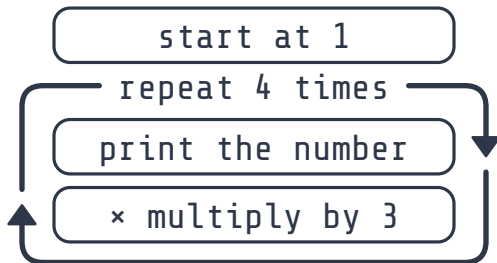
44 48 42 56 60

Circle the incorrect number. Fix it: 52

What went wrong? 48 + 4 = 52, not 42.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

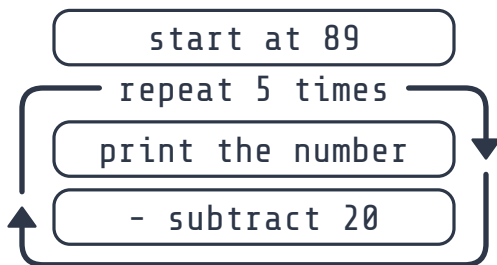
1 2 9 27

Circle the incorrect number. Fix it: 3

What went wrong? It multiplied by 2, not 3.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

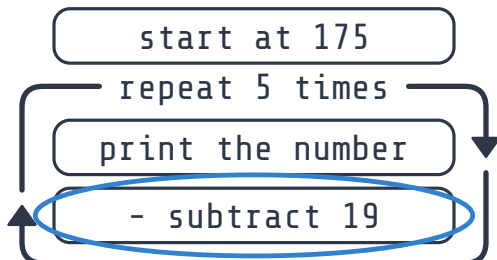
89 69 50 29 9

Circle the incorrect number. Fix it: 49

What went wrong? It subtracted 19, not 20.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

175 155 135 115 95

◀ Look at the code, circle the bug and explain how to fix it.

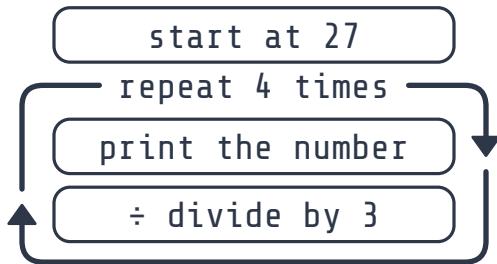
Change "subtract 19" to "subtract 20".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

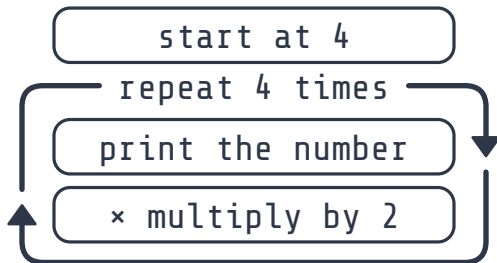
27 9 5 1

Circle the incorrect number. Fix it: 3

What went wrong? $9 \div 3 = 3$, not 5.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

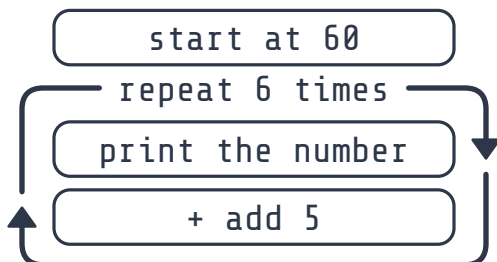
4 18 16 32

Circle the incorrect number. Fix it: 8

What went wrong? $4 \times 2 = 8$, not 18.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

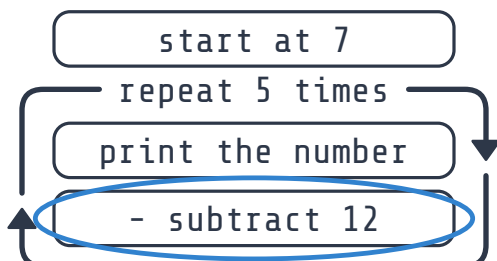
60 55 70 75 80 85

Circle the incorrect number. Fix it: 65

What went wrong? $60 + 5 = 65$, not 55.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

7 19 31 43 55

◀ Look at the code, circle the bug and explain how to fix it.

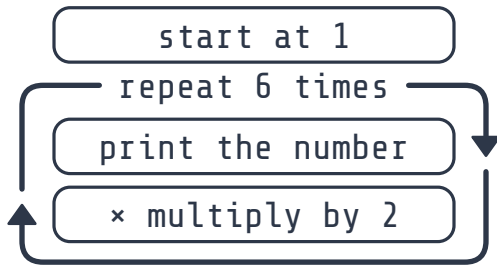
Change "subtract 12" to "add 12".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

1 2 4 8 6 32

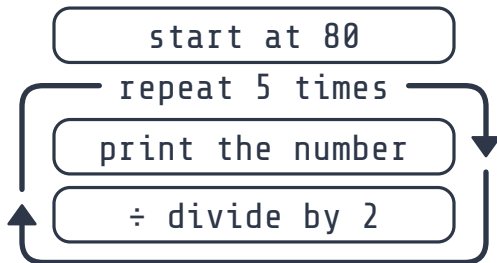
Circle the incorrect number. Fix it: 16

What went wrong? _____

8 × 2 = 16, not 6.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

80 40 30 10 5

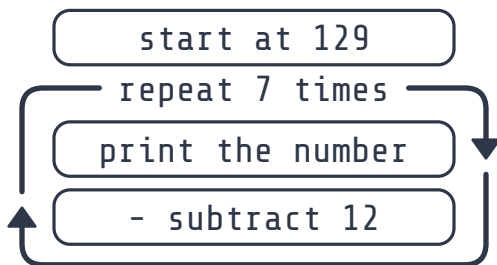
Circle the incorrect number. Fix it: 20

What went wrong? _____

40 ÷ 2 = 20, not 30.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

129 117 105 92 81 69 57

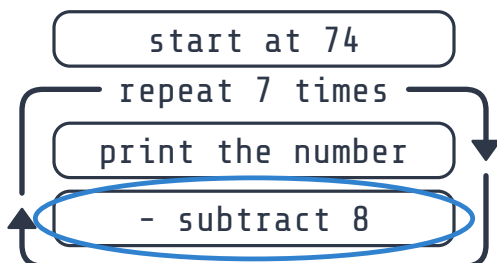
Circle the incorrect number. Fix it: 93

What went wrong? _____

It subtracted 13, not 12.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

74 67 60 53 46 39 32

◀ Look at the code, circle the bug and explain how to fix it.

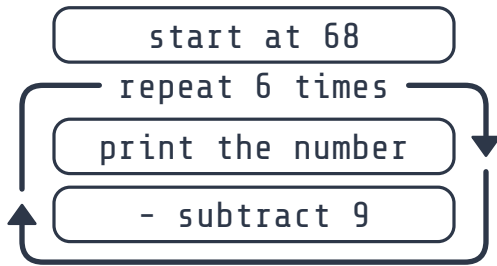
Change "subtract 8" to "subtract 7".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

68 59 50 41 32 13

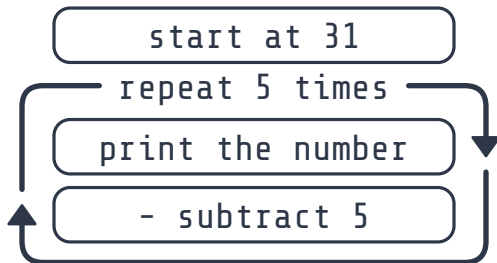
Circle the incorrect number. Fix it: 23

What went wrong? _____

It subtracted 19, not 9.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

31 26 21 6 11

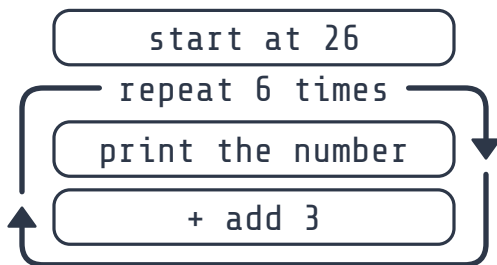
Circle the incorrect number. Fix it: 16

What went wrong? _____

It subtracted 15, not 5.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

26 29 32 35 28 41

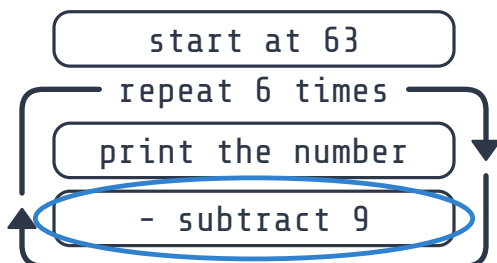
Circle the incorrect number. Fix it: 38

What went wrong? _____

35 + 3 = 38, not 28.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

63 53 43 33 23 13

◀ Look at the code, circle the bug and explain how to fix it.

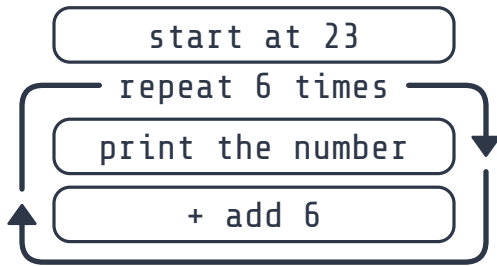
Change "subtract 9" to "subtract 10".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

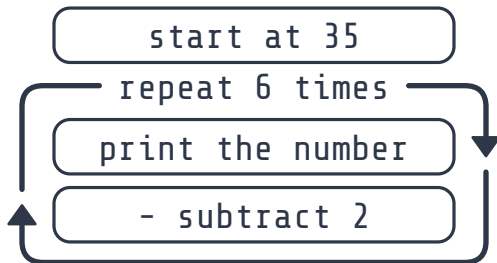
23 29 35 41 48 53

Circle the incorrect number. Fix it: 47

What went wrong? It added 7, not 6.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

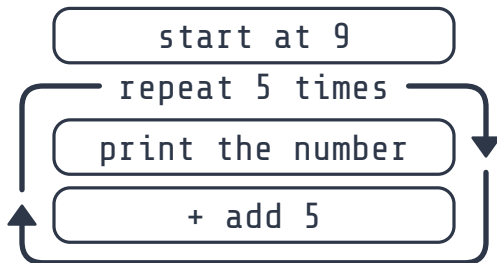
35 32 31 29 27 25

Circle the incorrect number. Fix it: 33

What went wrong? It subtracted 3, not 2.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

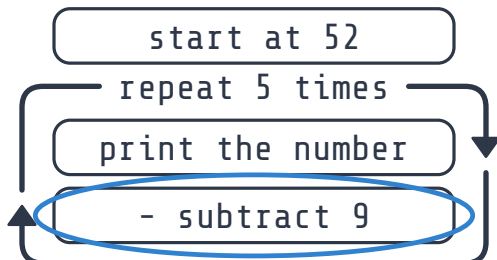
9 12 19 24 29

Circle the incorrect number. Fix it: 14

What went wrong? It added 3, not 5.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

52 42 32 22 12

◀ Look at the code, circle the bug and explain how to fix it.

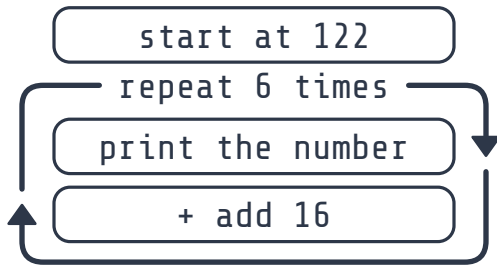
Change "subtract 9" to "subtract 10".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

122 138 154 170 196 202

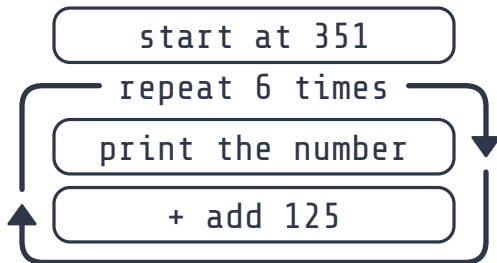
Circle the incorrect number. Fix it: **186**

What went wrong?

It added 26, not 16.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

351 476 601 762 851 976

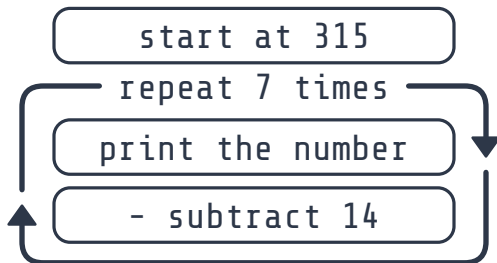
Circle the incorrect number. Fix it: **726**

What went wrong?

The digits of 726 got swapped.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

315 301 287 273 258 245 231

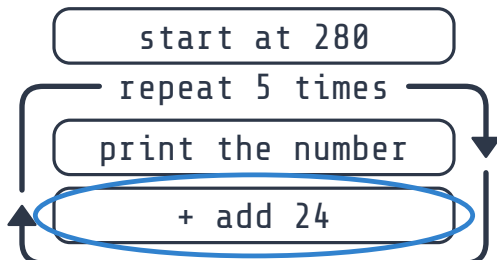
Circle the incorrect number. Fix it: **259**

What went wrong?

It subtracted 15, not 14.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

280 256 232 208 184

◀ Look at the code, circle the bug and explain how to fix it.

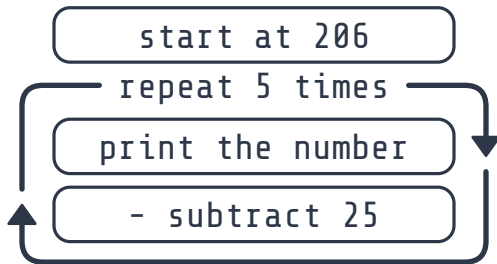
Change "add 24" to "subtract 24".

Code Debugger

Each program prints a number pattern, but something went wrong. Find the bug.

PROGRAM 1 // the code is right. Is the output?

○○○



OUTPUT

206 181 156 121 106

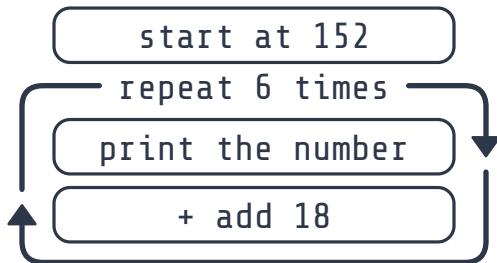
Circle the incorrect number. Fix it: 131

What went wrong? _____

It subtracted 35, not 25.

PROGRAM 2 // the code is right. Is the output?

○○○



OUTPUT

152 160 188 206 224 242

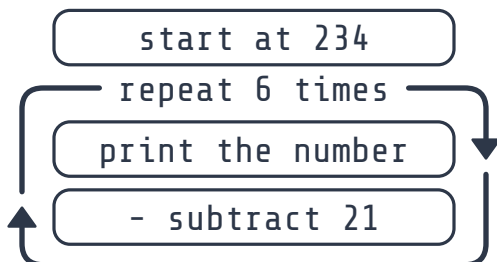
Circle the incorrect number. Fix it: 170

What went wrong? _____

It added 8, not 18.

PROGRAM 3 // the code is right. Is the output?

○○○



OUTPUT

234 213 182 171 150 129

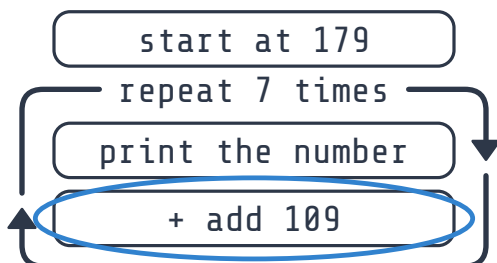
Circle the incorrect number. Fix it: 192

What went wrong? _____

It subtracted 31, not 21.

PROGRAM 4 // this is the output the programmer wanted

○○○



OUTPUT

179 278 377 476 575 674 773

◀ Look at the code, circle the bug and explain how to fix it.

Change "add 109" to "add 99".