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Period 1

Chapter 5

R5.1, 2, 4, 5, 7, 8, 9, 12 (parts e, f, g), 17, 20

1.

An argument is the input(s) to the function, while the return is the output. There is no limit on how many arguments a function has, but it can only have 1 return.

2.

18, 10, 12, 13, 19, 10, 12, 13, 20, 21, 23

4.

a. False

b. False

c. True

d. False

e. False

f. False

5.

a. x1 = 39

b. x2 = 400

c. x3 = 92

d. x4 = 0

8.

prints 3, each variable’s scope inside f and g is in f and g respectively. i in main, a, b are global.

9.

classifying by line:

line 1 – global

2 – global

3-parameter

5 - local

6 – global

9 – local

14 – parameter

16 -local

17 – local

20 – local

27 – local

28 – local

12

e.

324>100 → digit\_name(3)+ hundred → three hundred+ (24>10 → tens\_name(20) → twenty +(4> 0 → digit\_name(4)→ four )) → three hundred twenty four

f.

return empty value, as it doesn’t fit any parameter

g.

return empty value, as it doesn’t fit any parameter

17.

The current parameter are value parameters and not reference parameters. Therefore the function only changes the values in the function itself, not globally. To fix this, pass an ampersand:

void false\_swap2(int& a, int& b)