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Homework #7.

2. What is the output of the following c++ code?

Int i = 2;

Int temp = 2;

While (i < 10) {

Temp = temp \* (i-1);

i = i + 1;

}

Cout << “i=” << i << “ and temp = “ << temp <<endl;

Output is :

i = 10 and temp = 80640

5. When does the following while loop terminate?

Ch = ‘D’;

While (‘A’ <= ch && ch <<= ‘z’)

Ch = static\_cast <char> (static\_cast <int> (ch) + 1 );

6 .The following loop will terminate once the condition is true. In this case, after z, the loop will terminate;

Suppose that the input is 1 20 35 15 28 66 -1. What is the output of the following code?

Int num, sum, count;

Cin >> count >> sum >>;

While (count <=4) {

Cin >> num;

Sum = sum + num;

Count++;

}

Outputs is:

Enter num, sum

1

20

35

15

28

-1

Sum is 1948545897

9. suppose that the input is 10 -6 12 -5 -4 0. What is the output of the following code?

Int num, sum = 0;

Cin >> num;

While (num !=0) {

If (num >0)

Sum = sum + num;

Else

Sum = sum – sum;

Cin >> num;

}

Cout << “sum = “ << sum << endl;

Sum = 37

11. Consider the following program.

#include <iostream>

Using namespace std;

Int main () {

Int num1, num2, temp = 0;

Cout << “Enter two integers: “;

Cin >> num1 >> num2;

Cout << endl;

While (num1 % 3 != num2 % 5) {

Temp = num1 + num2;

Num1 = num2;

Num = temp;

Cout << temp << “”;

Return 0;

}

}

Out Are:

10 17 = 27

-4 11 = 7

2 29 = 316091151

7 43 = 5093143236379615994160926034212

13. Correct answer to this question is to change the AND (&&) Operator to OR ( ||) and change the cout to << (num1 + num2) since the program is adding two integers.

15. Output are

5

4

3

2

1