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Homework 6.

9. What is the output of the following statement?

b. if ('8'<'B' && 15 > -13)

cout << "a b c d " <<endl;

cout << "##"<<endl;

The output of the code is a b c d

##

c. if (“Fly” >= “Flying” && “Programming” >= “Coding”)

cout << “Fly programming” <<endl;

cout << “Flying coding”<<endl;

The code output is blank page because the statement is not true.

13. Correct the following code so that it prints the correct message:

If (score >= 60)

cout << “You pass.”<<endl;

else;

cout << “You fail.”<<endl;

The correct code is:

#include <iostream>

using namespace std;

int main () {

int score = 60;

if(score>=60) {

cout << "You pass." <<endl;

} else {

cout << "You fail." <<endl;

}

return 0;

}

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

int x = 5;

int y = 12;

if (x+y > 20 || y-x <10) {

x = y + 6;

y = 2 \* (x + y)

cout << x << “ “ <<y << “ “ << << x-y << “ “ << x +y <<endl;

}

else {

y = (5\* x + 20) % y;

cout <<x <<””<<y<<””<<x \*x + y \* y <<endl;

}

The output is

546-4151.

21. Suppose score is an int variable. Consider the following if statement:

if (score >= 90)

cout << “Discount= 10%”<<endl;

1. What is output if the value of score is 95? Justify your answer.
2. What is the output if the value of score is 85? Justify your answer.
3. Result is Discount is = 10%;
4. This code because the statement is not true 85 is not greater than or equal to 95.

22. Suppose that score is an int variable. Consider the following if statements:

i. if (score == 70 )

cout << “Grade is C.”<<endl;

if (score = 70)

cout << “Grade is C.”<<endl;

a. The outputs are

i.Grade is C.

ii. Grade is C.

b.

The outputs are

1. is false because 80 is not the same 70.
2. The output is C.