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C++

Assignment 4B

Programming with words

1. If -3 and -5 were entered the program would print “*Outer condition not true”*
2. For that or statement to return false both a and b would have to be less than or equal to 0. ( a <=0 || b <= 0), ( a <= 0 && b<= 0), and (b > 0 || a <=0) would all return true.
3. Because the integer x is equal to -5, a non-zero value, the if statement interprets it as true and prints “Condition met” without ever moving on to the else portion. The only way to have this function print “Condition not met” would be if x=0.
4. “Hello” is not a valid char data type because it has more than one symbol in between quotes. Strings however, which is a programmer-defined data type, can accommodate more than one symbol and can be used for more complex operations in our programs.

C++ Program

#include <iostream>

using namespace std;

int main ()

{ int a, b, c, temp, temp2;

cin >>a>>b>>c;

if (a<b){

temp=a;

a=b;

b=temp;

}

if (b<c){

temp2=b;

b=c;

c=temp2;

}

if (a<b){

temp=a;

a=b;

b=temp;

}

cout<<"The numbers in descending order are "<<a<<", "<<b<<", "<<c<<endl;

return 0;

}