

Quiz 2

26 September 2012

1. The following program uses nested conditional statements. What is the output?

```
#include <iostream>
using namespace std;
int main()
{
    int a = 9, b = 7, c = 3;

    if(a < b)
    {
        cout << "A";
        if(c < b)
        {
            cout << "B";
        }
        cout << "C";
    }
    else
    {
        cout << "D";
        if(c < b)
        {
            cout << "E";
        }
        if(c % 2 == 1)
        {
            cout << "F";
        }
        else
        {
            cout << "G";
        }
        cout << "H";
    }
    cout << "I\n";
    return 0;
}
```

2. The following program asks the user to input two integers, and then uses an if/else chain. See below for further instructions.

```
#include <iostream>
using namespace std;
int main()
{
    int a, b;
    cout << "Enter A: ";
    cin >> a;
    cout << "Enter B: ";
    cin >> b;

    if(a < b)
    {
        cout << a << endl;
    }
    else if(a > b)
    {
        cout << b << endl;
    }
    else if(a == 9)
    {
        cout << "see" << endl;
    }
    else
    {
        cout << a+b << endl;
    }
    return 0;
}
```

What is the output in each of the following cases?

value of A	value of B	output
9	2	
8	12	
7	7	
9	9	