CS1428 Lab 5

# Name: Section:

1. (20pt) What is displayed by the following code snippet? The file input.txt contains the following:

5 8 11

ifstream fin;

int i, j, k;

fin.open("input.txt");

fin >> i >> j >> k;

if(i < j || k < j)

cout << "A" << endl;

else if(j < k && (j+3) == i)

cout << "B" << endl;

else

cout << "C" << endl;

if(i != j)

{

cout << "D" << endl;

if(k <= j)

{

cout << "E" << endl;

if(j == (k-3))

cout << "F" << endl;

else

cout << "G" << endl;

}

else

{

cout << "H" << endl;

}

}

else

{

cout << "I" << endl;

}

1. (25pts) Re-write the program from Lab 4. There is a link to the skeleton version on my webpage. Use a **switch** statement instead of **if** statements, if you used **if** statements. Use **if** statements instead of a **switch** statement, if you used a **switch** statement.

**Note:** Do not write the calculated Area to an output file; just display it on the screen.

Name this program **lab5\_01.cpp**. Staple a copy of the source file to this worksheet and upload your source code.

1. (15pts) Assume the variables a = 2, b = 4, and c = 6. Indicate by circling the T or F if each of the following conditions is true or false
2. a >= 0 || a <= b T F
3. a == 4 || b > 2 T F
4. 6 <= c && a > 3 T F
5. 1 != b && c != 3 T F
6. a >= -1 || a <= b T F
7. (40pt) Open **lab5\_02.cpp** and complete the program (Save your file as **lab5\_02.cpp**).

**Note:** *Read the documentation above the program first before you commence programming. Ensure that you understand what the program is supposed to do and what output the program is expected to give*

* + **Staple** a copy of the source file to thisworksheet.
  + **Upload** your source file **lab5\_02.cpp**.