

## Lab Program 6

For this and all future labs, I strongly encourage you to begin your programs with a comment header similar to the following:

```
/*  
  
Programmer: First & Last Name  
  
Class: CSCE 1030 Lab:  
  
Date: Today's Date  
  
Assignment: Lab 6  
  
cspXX.csci.unt.edu  
  
*/
```

You are welcome to include more information if you like.

This week's assignment we will continue working with control structures, but specifically the **switch statement**. Please format the output to have **two digits after the decimal point**. Please follow the detailed explanation and name your file accordingly: **LastnameProg6.c**.

The program should:

1. Prompt the user with instructions and ask for an operation code (1 – Addition, 2 – Subtraction, 3 – Multiplication, 4 - Division)
2. Next prompt the user for two values.
3. If the operation code was valid, complete the desired operation on the user provided values, and print the result. Otherwise, prompt the user and exit.

Example:

```
Please enter an desired operation followed by two values.
```

```
1 = Addition
```

```
2 = Subtraction
```

```
3 = Multiplication
```

```
4 = Division
```

```
5 12.1 3.4
```

```
I am sorry, invalid operator.
```

**OR**

Please enter an desired operation followed by two values.

1 = Addition

2 = Subtraction

3 = Multiplication

4 = Division

3 12.1 3.4

Result is: 41.14