

**Lab Assignments -4– Object Oriented Programming 1**

(Week #5: Control Structures (2) – loop/switch)

**Note: 1. Submission only via E-CLASS is acceptable (If you have any issue with E-CLASS, Please consult IT Dept. )**

**2. Do not plagiarize on doing your work, if we catch student doing so, he/she will get ZERO for the Assignment.**

1. Program to calculate sum of numbers from m to n.

**(Hint:**

**Input two numbers m and n.**

**Find sum of all numbers from m to n.**

**For example m=3 and n=8 then sum will be 3+4+5+6+7+8=33.)**

1. Program to print sum of first 20 terms of Fibonacci series.

**(Hint: The Fibonacci numbers are the numbers in the following integer sequence.  
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, ……..**

**In mathematical terms, the sequence Fn of Fibonacci numbers is defined by the recurrence relation**

**Fn = Fn-1 + Fn-2**

**F0 = 0 and F1 = 1.)**

1. Program to input a number and then calculate sum of its digits.

(**Hint: let number = 562.**

**Then you should print 5+6+2=13.)**

1. Write a program to print the reverse of a number (e.g. input number is 123, output will be 321).