**Assignment on Loop**

**(** READ THE INSTRUCTION FIRST **)**

1. Input a value and store the value into a variable named **myValue.** Now output all the odd and even numbers between 1 to myValue.
2. Input a value from keyboard, store it in the memory and access it with a name **N**. Operate a loop **N** times. Using that loop input **N** number of values (negative or positive) from keyboard and output only the negative values into DOS screen.
3. Input a value from keyboard, store it in the memory and access it with a name **N**. Operate a loop **N** times. Using that loop input **N** number of values (negative or positive) from keyboard and count how many negative values are input from the keyboard. Output the number of negative values into DOS screen.
4. Given an integer, find the sum of all the digits in the number. Do it with a loop. E.g. sum of digits of 9264 = 21.
5. An integer number is entered through the keyboard. Write a C program that will determine whether it is a prime number or not.
6. **N** number of integer numbers are entered through the keyboard, value of N should be input by the user. Write a C program to find the largest of these **N** number of numbers.
7. Input unlimited number of UPPER case and lower case characters in a loop, now count how many UPPER case and lower case character are input by the user.
8. Input two numbers from keyboard and store them into variable **X** and **Y**, again input another number **N** that will decide whether to **add**, **subtract**, **divide** or **multiply** **X** and **Y**. For example if user inputs the value of **N** as 1 then your program should add **X** and **Y**, again if the value of **N** is 2 then your program should subtract **Y** from **X** and so on. Solve it using if-else if-else. Repeat all the above tasks **T** times. User should input the value of **T**.
9. Given an integer number n, find out that the number is a perfect number or not. E.g. 6 is a perfect number because the summation of the factors of 6 (1, 2, 3 except 6 itself) is equal to 6, means 1+2+3=6. E.g. 28 is a perfect number because the summation of the factors of 6 (1, 2, 4, 7, 14 except 28 itself) is equal to 28, means 1+2+4+7+14=28.

**INSTRUCTION !**

**1. Solve** all the problems from the above mentioned using C

**2. Submit before** : 16 March 2015, 11: 30 PM, Monday Night(sharp)

**3. Submission format** : online( **all text files of .c in a single zipped file** )

**4. Zipped file name format** : Your\_Student\_ID.zip

**5. Submit via**: your VUES account,go to “**Coursed and Results**”, select your course(PL1) and click **Upload Document** then upload the zipped file before the deadline.

**6.** All of **you must attend a random viva** on your solution after **the submission**.

**\* Upload system will automatically be disabled after the submission deadline**

**\* You can discuss with me for any confusion regarding this assignment**