**Assignment 10**

1. Write Java program to check whether number is prime or not. ( Prime means a number which is divisible by only two numbers: 1 and itself. So, if any number is divisible by any other number, it is not a prime number.)

2. Write a java program to display the Fibonacci series up to given number. (Fibonacci series mean next number is the sum of previous two numbers for example 0,1,1,2,3,5,8,13,21,34,55 etc. If enter no as 5 then output is 0,1,1,2,3).

3. Write java program to check whether number is Armstrong or not.(A positive number is called armstrong number if it is equal to the sum of cubes of its digits for example 0, 1, 153, 370, 371, 407 etc. Let's try to understand why 153 is an Armstrong number.

153 = (1\*1\*1)+(5\*5\*5)+(3\*3\*3)

where:

(1\*1\*1)=1

(5\*5\*5)=125

(3\*3\*3)=27

So:

1+125+27=153)

**VIMP** - Do not use Google it will reduce your chances of getting placed.

**Note-**

1. Input should be from user not hard code value.

2. Mention comments into program.

3. Once you are done with your assignments keep it with you don't send me. I will share one PDF to you which will have answer of all assignments. All you need to do is self review check your answers and verify with sheet... Correct them if wrong.