**Assignment-1 Basic Java Programs For Practice**

**Live Assignment.**

**Time:45 min**

**Points:10**

**Instructions:**

**1. Share your complete screen while solving the assignment**

**2.Record your screen while solving and save the recording in local machines. To record you can create another meeting-link for yourself.**

**3.Paste the codes in notepad along with the output screenshots and the same in pdf format.**

**4.All the work needs to be uploaded in the local Training directory in the folder that is under your respective names/ids provided to you.**

**5.Your assignment will be assessed and graded as per your performance and instructions given.**

**Questions**

**1.Write a program to swap two numbers in Java.**

**Hint:Two ways to do this -with the third variable and without the third variable.**

**2.Write a program to print all the elements of the Fibonacci series.**

**Hint: A Fibonacci series is given by Fib(n)=Fib(n-1)+Fib(n-2)**

**3.Check if a given number is palindrome or not.**

**Hint:A palindrome is a number which when reversed gives the same number.**

**We find the reverse and check whether it is equal to the given number or not.**

**4.Write a program to find whether a number is an Armstrong number or not.**

**Hint: Armstrong number – Sum of the cubes of its digit is equal to the number itself. E.g – 153**

**5.Find the GCD of two numbers.**

**6.Write a program to find the sum of n natural numbers.**

**7.Write a program to find the lcm of two numbers.**

**8.Calculate the sum of digits of a given number.**

**9.Write a program to reverse a string.**

**Hint:We use the string buffer class to easily reverse the string.**

**10.Write a code to print all the first n prime numbers where n will be given as input.**