Institute of Engineering & Management
Department of Computer Science & Engineering
Object Oriented Programming (IT) Lab for 3rd year 5th semester 2018
Code: CS594D

Date: 10/7/18

WEEK-1

Assignment-1

Problem Statement: Write a Java program to print n number of Fibonacci numbers

Source code:

```
class fibo
{
 public static void main(String[] args)
 {
       int f1=0, f2=1, temp, count=Integer.parseInt(args[0]);
       System.out.print("Fibonacci numbers are : ");
       for(int i=0;i<count;i++)
       {
             System.out.print(f1+", ");
             temp = f1;
             f1 = f2;
             f2 = temp + f2;
       }
       System.out.println();
 }
}
```

Screen-Shot:

```
rana@rana:~/Desktop/Java/1/Fibonacci$ javac fibo.java
rana@rana:~/Desktop/Java/1/Fibonacci$ java fibo 10
Fibonacci numbers are : 0, 1, 1, 2, 3, 5, 8, 13, 21, 34,
rana@rana:~/Desktop/Java/1/Fibonacci$
```

Figure 1: Output

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Assignment-2

Problem Statement: Write a Java program to print the prime nos. upto 'n' number.

Source code:

```
class prime
{
	public static void main(String[] args)
	{
		int i, j, n = Integer.parseInt(args[0]);
		System.out.print("Prime Nos.: ");
		for(i=2; i<=n; i++)
		{
			for(j=2; j<i && i%j!=0; j++)
			{
				continue;
			}
			if(i == j)
			{
				System.out.print(i+", ");
			}
		}
		System.out.println();
	}
}
```

Screen-Shot:

```
rana@rana:~/Desktop/Java/1/PrimeNo$ javac prime.java
rana@rana:~/Desktop/Java/1/PrimeNo$ java prime 50
Prime Nos.: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47,
rana@rana:~/Desktop/Java/1/PrimeNo$
```

Figure 2: Output