JAVA Logic Placement Preparation Test 2

PRN : 030

Q.1) Find factorial of a number using Recursive function

=>

```
package java_logic;

public class Factorial_Recursion {

	public static void main(String[] args) {

		int n=5;

		System.out.println(factorial(n));

	}

	static int factorial(int n) {

		int fac;

		if(n==1 || n==0)

			return 1;

		else

			fac= n*factorial(n-1);

		return fac;

	}


}
```

Q.2) Find Fibonacci series in following pattern

1

2 3

5 8 13

=>

```
package java_logic;
public class FiboSeries_Pattern {
	public static void main(String[] args) {
		int n=4;
		fiboPattern(n);
	}
	static void fiboPattern(int n) {
		int n1=0,n2=1;

		for(int row=1;row<=n;row++) {
			for(int col=1;col<row;col++) {
				int n3=n1+n2;
				System.out.print(n3+" ");
				n1=n2;
				n2=n3;
			}
			System.out.println();
		}
	}
}
```

Q.3) Solve following pattern

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 **

 *

=>

```
package java_logic;
public class Star_Pattern {
	public static void main(String[] args) {
		for(int i=1;i<=3;i++)
		{
			for(int j=3;j>=i;j--)
			{
				System.out.print("*");
			}
			System.out.println();
		}}}
```

Q.4) Print binary of a number in reverse order eg. Input 4 O/P 0 0 1

=>

```
package java_logic;
public class BinaryOfNumber_Rev {
	public static void main(String[] args) {
		int n=4;
		while(n>0) {
			int bit = n%2;
			System.out.print(bit+" ");
			n=n/2;		}	}}
```