Name: **Dhiraj Birajdar**

Batch: **1154**

Homework:

Q1. Print factorial of numbers from 1 to 20.

Q2. Print following pattern
2 4 6 8
4 6 8 10
6 8 10 12
8 10 12 14 :

```java
package practicalhw;

public class FactPatern {

    long factorial(int n) {
        long f =1;
        for(int i = 1; i<=n;f*=i, i++);
        return f;
    }

    void printPatern() {
        for(int i = 2; i<=8; i+=2) {
            for(int j = i; j<=i+6 ; j+=2)
                System.out.printf("%-3d ",j);
            System.out.println();
        }
    }

    public static void main(String[] args) {

        FactPatern a = new FactPatern();
```

```java
        // Q1
        System.out.println("Factorial of 1 to 20: ");
        for(int i =1; i<=20; i++)
            System.out.println(i+"! = "+a.factorial(i));

        // Q2
        System.out.println("\nPatern print : ");
        a.printPatern();
    }
}
```