**Name: Malavika A**

**Roll No: 16**

**Batch: RMCA B**

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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: CO4:4**

**Aim**

Define 2 classes; one for generating Fibonacci numbers and other for displaying even numbers in a given range. Implement using threads. (Runnable Interface).

**Procedure**

import java.util.Scanner;

class Fib implements Runnable{

    public void run(){

        int a=0,b=1,c=0,n=20;

        System.out.println("Fibonacci Series upto "+n+":\n");

        while (n>0)

        {

             System.out.print(c+" ");

             a=b;

             b=c;

             c=a+b;

             n=n-1;

        }

        System.out.println("\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

    }

}

class EvenNo implements Runnable{

    public void run(){

        int n;

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the Value of N:");

        n=sc.nextInt();

        System.out.println("Even Numbers from 1 to "+n+":");

        for(int i=1;i<=n;i++) {

            if(i%2==0) {

                System.out.println(i);

                }}

        }

}

public class My{

    public static void main(String[] args) {

        Fib obj=new Fib();

        Thread t=new Thread(obj);

        t.start();

        EvenNo obj1=new EvenNo();

        Thread t1=new Thread(obj1);

        t1.start();

    }

}

**OUTPUT**

