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**Batch: B**

**Date:07/06/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 24**

**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 extends Thread{

int f,n1=0,n2=1,n3;

Fib(int c){

this.f=c;

}

public void run(){

System.out.println("fib is "+n1);

System.out.println("fib is "+n2);

for(int i=2;i<this.f;++i) {

n3=n1+n2;

System.out.println("fib is "+n3);

n1=n2;

n2=n3;

}

}

}

class even extends Thread{

int range;

even(int range){

this.range=range;

}

public void run(){

for(int i=0;i<this.range;i++){

if(i%2==0){

System.out.println("even num is "+i);

}

}

}

}

public class mulThread {

public static void main(String [] args){

int c,range;

Scanner sc=new Scanner(System.in);

System.out.println("enter the count of Fibinooci");

c=sc.nextInt();

Fib fi=new Fib(c);

System.out.println("enter the range of even number");

range=sc.nextInt();

even ev = new even(range);

fi.start();

ev.start();

}

}

**OUTPUT**

