/\*Program to implement multithreading where the first thread displays the odd numbers and second thread displays the even numbers

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Program

import java.util.Scanner;

class thread1 implements Runnable

{

String name;

int limit;

Thread t;

thread1(String name1,int l)

{

limit=l;

name = name1;

t = new Thread(this, name);

System.out.println("New thread: " + t);

t.start();

}

public void run()

{

try {

if(name.equals("odd"))

{

for(int i=1;i<=limit;i++)

{

if(i%2!=0)

{

System.out.println("odd "+i);

}

}

}

Thread.sleep(1000);}

catch (InterruptedException e)

{

System.out.println(name + "Interrupted");

}

}

}

class multithread\_4

{

public static void main(String args[])

{

int n;

Scanner in =new Scanner(System.in);

System.out.println("\nEnter the Limit:");

n=in.nextInt();

new thread1("odd",n);

new thread2("even",n);

try {

Thread.sleep(10000);

}

catch (InterruptedException e)

{

System.out.println("Main thread Interrupted");

}

}

}

class thread2 implements Runnable

{

String name;

int limit;

Thread t1;

thread2(String name1,int l)

{

limit=l;

name = name1;

t1 = new Thread(this, name);

System.out.println("New thread: " + t1);

t1.start();

}

public void run()

{

try {

if(name.equals("even"))

{

//System.out.println(" ");

for(int i=2;i<=limit;i++)

{

if(i%2==0)

{

System.out.println("Even "+i);

}

}

Thread.sleep(1000);

}}

catch (InterruptedException e)

{

System.out.println(name + "Interrupted");

}

}

}

OUTPUT

student@administrator-HCL:~/Anand$ javac multithread\_4.java

student@administrator-HCL:~/Anand$ java multithread\_4

Enter the Limit:

5

New thread: Thread[odd,5,main]

odd 1

odd 3

odd 5

New thread: Thread[even,5,main]

Even 2

Even 4