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**WEEK 11 EXTRA PROGRAM = 1**

QUESTION: Write a program to create a thread and find the sum of odd numbers from 1 to 100 in

this thread. Find the sum of even numbers for the same range in the main thread.

CODE:

class Thread1 implements Runnable{

String name;

Thread t;

Thread1(String threadname)

{

name=threadname;

t=new Thread(this,name);

t.start();

}

public void run()

{

int sum=0;

try{

for(int i=1;i<=100;i++)

{

if(i%2!=0)

sum+=i;

}

Thread.sleep(100);

System.out.println("Sum of odd numbers :"+sum);

}

catch(InterruptedException e)

{

System.out.println("Exception caught :" +e);

}

}

}

class Program1{

public static void main(String args[])

{

int sum=0;

new Thread1("new thread");

try{

Thread.sleep(10000);

for(int i=1;i<=100;i++)

{

if(i%2==0)

sum+=i;

}

System.out.println("Main thread - Sum of even numbers :"+sum);

}

catch(InterruptedException e)

{

System.out.println("Exception caught :" +e);

}

}

}

OUTPUT:

