

## WEEK 11- Extra program: 1

```
import java.util.*;

class Thread_odd extends Thread {
    int o_sum=0;

    Thread_odd(){
        super("odd thread");
        System.out.println("the child thread: "+this);
        start();
    }

    public void run(){
        try{
            for(int i=1;i<=100;i++){
                if(i%2 != 0){
                    o_sum = o_sum + i;
                    Thread.sleep(50);
                }
            }
        }catch(InterruptedException e){
            System.out.println("child interrupted");
        }

        System.out.println("Sum of odd numbers between 1/100:
"+o_sum);
    }
}
```

```
class Sum_extra {  
    public static void main(String args[]){  
        int e_sum=0;  
        new Thread_odd();  
        try{  
            for(int i=1;i<=100;i++){  
                if(i%2 == 0){  
                    e_sum = e_sum + i;  
                    Thread.sleep(200);  
                }  
            }  
        }catch(InterruptedException e){  
            System.out.println("main thread interrupted");  
        }  
        System.out.println("Sum of even numbers between 1/100:  
"+e_sum);  
    }  
}
```

```
C:\windows\SYSTEM32\cmd.exe
the child thread: Thread[odd thread,5,main]
Sum of odd numbers between 1/100: 2500
Sum of even numbers between 1/100: 2550

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(program exited with code: 0)
Press any key to continue . . .
```