EXTRA PROGRAMS

PROGRAM 1:

INPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11\OEThread.java - Sublime Text (UNREGISTERED)
                                                                                                                                                                                                                                           ð X
          Threadsjava × OEThreadjava class OddEven implements Runnable
File Edit Selection Find View Goto Tools Project Preferences Help
                int osum;
OddEven()
{
                     osum = 0;
t = new Thread(this, "ODD");
System.out.println("Current Thread : ODD");
t.start();
                                      osum += i;
Thread.sleep(200);
                           System.out.println("Odd Thread interrupted");
                      }
System.out.println("\nOdd Thread EXITING...");
System.out.println("\n----SUM OF ODD NUMBERS IS "+osum+"----");
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11\OEThread.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
                     int esum = 0;
OddEven oe = new OddEven();
System.out.println("Current Thread : EVEN");
                                       esum += i;
Thread.sleep(200);
                          cch(InterruptedException e)
                           System.out.println("Even Thread interrupted");
                      }
System.out.println("\nEven Thread EXITING...");
System.out.println("\n-----SUM OF EVEN NUMBERS IS "*esum*"-----");
```

OUTPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>javac OEThread.java

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>java OEThread

Current Thread : OOD

Current Thread : EVEN

Even Thread EXITING...

-----SUM OF EVEN NUMBERS IS 2550-----

Odd Thread EXITING...

-----SUM OF OOD NUMBERS IS 2500-----

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>
```

PROGRAM - 2

INPUT:

```
rs\91944\OneDrive\Desktop\OOJLAB\Week_11\ThreeThreads.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
                                                    × ThreeThreads.java
         class TwoThread implements Runnable
               Thread t;
               int n;
TwoThread(int number)
                   n = number;
t = new Thread(this, "Square");
System.out.println("Current Thread : "+t);
                    t.start();
                         System.out.println("Square : "+n);
Thread.sleep(0);
                      atch (InterruptedException e)
                         System.out.println("Thread interrupted");
          class ThreeThread implements Runnable
C\Users\91944\OneDrive\Desktop\OOJLAB\Week_11\ThreeThreads.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
                                                    × ThreeThreads.java ×
   61
62
               Thread t;
               ThreeThread(int number)
                    n = number;
                    t = new Thread(this, "Cube");
System.out.println("Current Thread : "+t);
                    t.start();
                         n = n * n * n;
System.out.println("Cube : "+n);
                         Thread.sleep(0);
                         System.out.println("Thread interrupted");
                 ublic static void main(String[] args)
                   OneThread one = new OneThread();
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11\ThreeThreads.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
                                                    × ThreeThreads.java ×
                         Thread.sleep(200);
for(int i = 5; i > 0; i--)
{
   93
94
  95
96
97
98
99
100
                              if(one.num % 2 == 0)
                                   new TwoThread(one.num);
                                     w ThreeThread(one.num);
                              Thread.sleep(1000);
                      atch (InterruptedException e)
                         System.out.println("Thread interrupted");
                    System.out.println("Program EXITING...!");
  108
109
```

OUTPUT:

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>javac ThreeThreads.java
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>java Threadmain
Current Thread : Thread[Random generator,5,main]
The random value generated is : 72
Current Thread : Thread[Square,5,main]
Square : 5184
The random value generated is : 11
Current Thread : Thread[Cube,5,main]
Cube : 1331
The random value generated is : 99
Current Thread : Thread[Cube,5,main]
Cube : 970299
The random value generated is : 65
Current Thread : Thread[Cube,5,main]
Cube : 274625
The random value generated is : 94
Current Thread : Thread[Square,5,main]
Square : 8836
Program EXITING...!
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>_
```