```
class NewThread implements Runnable
{
  Thread t;
  NewThread()
    t=new Thread(this,"New Thread");
    System.out.println("CT:"+t);
    t.start();
  public void run()
    int sum=0,i;
    try
       for(i=1;i<=100;i++)
         if(i\%2==1)
            sum=sum+i;
       System.out.println("Sum of odd numbers "+sum);
       Thread.sleep(1000);
    catch(InterruptedException ie)
       System.out.println("Child Thread Interrupted");
  }
class ThreadMain
  public static void main(String args[])
    int sum=0,i;
    NewThread n1=new NewThread();
    try
       for(i=1;i<=100;i++)
         if(i\%2==0)
            sum=sum+i;
```

```
Thread.sleep(2000);
          System.out.println("Sum of even numbers "+sum);
      catch(InterruptedException ie)
         System.out.println("Child Thread Interrupted");
   }
}
  dicrosoft Windows [Version 10.0.18363.1256]
(c) 2019 Microsoft Corporation. All rights reserved.
   :\WINDOWS\system32>cd C:\Program Files\Java\jdk1.8.0_261\bin
   :\Program Files\Java\jdk1.8.0_261\bin>javac ThreadMain.java
  :\Program Files\Java\jdk1.8.0_261\bin>java ThreadMain
T:Thread[New Thread,5,main]
kum of odd numbers 2500
kum of even numbers 2550
   :\Program Files\Java\jdk1.8.0_261\bin>_
import java.util.Random;
class Square implements Runnable
   Thread t2;
   int num;
   Square(int number)
      num = number;
      t2=new Thread(this, "child thread");
      t2.start();
         }
   public void run()
                   System.out.println("Square of "+num+" = "+(num*num));
         }
}
```

```
class Cube implements Runnable
{
  Thread t3;
  int num;
  Cube(int number)
    num = number;
    t3=new Thread(this,"child thread");
    t3.start();
       }
  public void run()
              System.out.println("Cube of "+ num+" = "+(num*num*num));
       }
class RandomThread implements Runnable
  Thread t1;
  RandomThread()
    t1=new Thread(this, "child thread");
    t1.start();
  public void run()
              Random randnum = new Random();
    for (int i = 0; i < 10; i++)
    {
                     int n = randnum.nextInt(100);
                     System.out.println("Random Integer: " + n);
       if((n\%2) == 0)
                             Square s= new Square(n);
                     }
       else
       {
                             Cube c= new Cube(n);
                     }
       try
                             Thread.sleep(1000);
       catch (InterruptedException e)
```

```
{
                                                                  System.out.println("Interrupted");
                                                 }
                                 }
                }
}
class MultipleThread
     public static void main(String args[])
                                 RandomThread r= new RandomThread();
                }
     C:\Program Files\Java\jdk1.8.0_261\bin>javac thread11.java
     C:\Program Files\Java\jdk1.8.0_261\bin>java thread11
Random Integer generated : 1
Cube of 1 = 1
Random Integer generated : 1
Cube of 1 = 1
Random Integer generated : 56
Square of 56 = 3136
Random Integer generated : 58
Random Integer generated : 58
Random Integer generated : 58
             om Integer generated : 97
of 97 = 912673
             om Integer generated : 72
re of 72 = 5184
om Integer generated : 20
re of 20 = 400
       C:\Program Files\Java\jdk1.8.0_261\bin>_
```