

Main5 - Notepad

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```
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();
```

```
<
```



```
}  
}  
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 Main5  
{  
    public static void main(String args[])  
    {  
        RandomThread r= new RandomThread();  
    }  
}
```


CA Command Prompt

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C:\Users\eshan>d:

D:\>cd java

D:\java>java ThreadMain
CT:Thread[New Thread,5,main]
Sum of odd numbers 2500
Sum of even numbers 2550