Extra program 2:- (week 11) :-

```java
import java.util.Random;
class ThreadRandom implements Runnable
{
    String name;
    int type;
    Thread t;
    Random ran = new Random();
    static int num;
    ThreadsRandom (String thname, int typeth)
    {
        name = thname;
        type = typeth;
        t = new Thread (this, name);
        t.start();
    }
    public void run()
    {
        try
        {
            if (type == 1)
            {
                for(int i=0; i<10; i++)
                {
                    num = ran.nextInt(100);
                    System.out.println("The Random number is : "+num);
                    Thread.sleep(1000);
                }
            }
        }
```

```java
    else if (type == 2)
    {
        for (int i = 0; i < 10; i++)
        {
            if (num % 2 == 0)
            {
                int sq;
                sq = num * num;
                System.out.println("The square of the number is: " + sq);
            }
            Thread.sleep(1100);
        }
    }
    else
    {
        for (int i = 0; i < 100; i++)
        {
            if (num % 2 == 1)
            {
                int cube;
                cube = num * num * num;
                System.out.println("The cube of the number is: " + cube);
            }
            Thread.sleep(1100);
        }
    }
}
catch (InterruptedException ie)
{
    System.out.println("The Thread " + type + " experienced an Interrupt");
}
}
}
```

```
class RandomThreadMain
{

    public static void main(String args[])
    {

        new ThreadRandom("one", 1);
        new ThreadRandom("Two", 2);
        new ThreadRandom("Three", 3);
    }
}
```

```
The Random number is: 67
The Cube of the number is: 300763
The Random number is: 1
The Cube of the number is: 1
The Random number is: 32
The Square of the number is: 1024
The Random number is: 73
The Cube of the number is: 389017
The Random number is: 57
The Cube of the number is: 185193
The Random number is: 83
The Cube of the number is: 571787
The Random number is: 42
The Square of the number is: 1764
The Random number is: 38
The Square of the number is: 1444
The Random number is: 50
The Square of the number is: 2500
The Random number is: 40
The Square of the number is: 1600
```