

LAB - 10

```
import java.util.*;
```

```
class table {
```

```
    synchronized void printTable (int n)
```

```
    {
```

```
        try {
```

```
            System.out.println("Printing table");
```

```
            for (int i=1; i<=15; i++) {
```

```
                System.out.println (n + " x " + i + " = " + n * i);
```

```
                Thread.sleep (2000);
```

```
            }
```

```
        } catch (InterruptedException e) {
```

```
            System.out.println ("Interrupted  
program");
```

```
        }
```

```
        System.out.println();
```

```
    }
```

```
class newThread implements Runnable {
```

```
    int n;
```

```
    table target;
```

```
    Thread t;
```

```
new Thread (table targ, int num) {
```

```
    target = targ;
```

```
    n = num;
```

```
    t = new Thread (this, "TABLE");
```

```
}
```

```
public void run() {
```

```
    target.printable (n);
```

```
}
```

```
}
```

```
class App {
```

```
    public static void main (String args[]) {
```

```
        int num1, num2;
```

```
        Scanner sc = new Scanner (System.in);
```

```
        System.out.println ("Enter the first Number");
```

```
        num1 = sc.nextInt();
```

```
        System.out.println ("Enter the second  
number");
```

```
        num2 = sc.nextInt();
```

```
        table t1 = new table();
```

```
        new Thread obj1 = new Thread (t1, num1);
```

```
        new Thread obj2 = new Thread (t1, num2);
```



```
ob1.t.start();  
ob2.t.start();
```

```
try {  
    ob1.t.join();  
    ob2.t.join();  
}
```

```
catch (InterruptedException e) {  
    system.out.println("Exception Caught")  
}
```

```
sc.close();
```

```
}
```

```
}
```