

WEEK 12 EXTRA PROGRAMS

1. Create a class Table including a method printable which prints multiplication table of a given value. Create two threads which print multiplication table of 5 and 100 by calling the same function on same object. Test the threads

```
class Table implements Runnable{
    int num;
    Table(int n){
        this.num=n;
    }
    synchronized public void printable(){
        int n=this.num;
        for(int i=1;i<=10;i++){
            System.out.println(n+" X "+i+" = "+(i*n));
        }
    }
    public void run(){
        printable();
    }
}

public class Main
{
    public static void main(String[] args) {
        new Thread(new Table(5)).start();
        new Thread(new Table(100)).start();

    }
}
```

OUTPUT

```
C:\java\multithreading>java Main
```

```
100 X 1 = 100
```

```
5 X 1 = 5
```

```
100 X 2 = 200
```

```
5 X 2 = 10
```

```
100 X 3 = 300
```

```
5 X 3 = 15
```

```
100 X 4 = 400
```

```
5 X 4 = 20
```

```
100 X 5 = 500
```

```
5 X 5 = 25
```

```
100 X 6 = 600
```

```
5 X 6 = 30
```

```
100 X 7 = 700
```

```
5 X 7 = 35
```

```
100 X 8 = 800
```

```
5 X 8 = 40
```

```
100 X 9 = 900
```

```
5 X 9 = 45
```

```
100 X 10 = 1000
```

```
5 X 10 = 50
```

```
C:\java\multithreading>
```