15/12/20

Synchronized program

```
import java.util.Scanner;
public class tables{
public static void main (string args[])
{
 cal c = new cal();
 Scanner sc = new Scanner(System.in)
System.out.println("input the number of elements")
int n = sc.nextInt();
table obj = new table(n,c,s)
table obj1 = new table(n,c,100);
try{
obj.t.join();
obj1.t.join();
}catch(Exception e)
{System.out.println("exception caught");
}
class table implements Runnable
{
int n, tabl;
Thread t;
cal tar;
table(int a, cal c, int tab)
{
  tabl = tab
   tar = c
this.n = n;
t = new Thread(this);
t.start();
}
```

```
public void run()
{
Synchronized (tar) {
   tar.cals(n, tabl);
  }
 }
}
Class cal {
void cals (int n, int ta)
{
for(int i=1 ; i<n; i++)
 {
System.out.println (ta + " x " + i + " = " + (ta * i)
 }
}
```