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Aim:

Define more than one thread to print tables using synchronization concept.

Note:

Add a sleep duration of 100

Source Code:

```
q17211/Main.java
```

```
package q17211;
import java.util.Scanner;
class TablePrinter implements Runnable {
   TablePrinter(int b){
      this.b=b;
   }
   public void run()
      for(int i=1;i<11;i++)</pre>
            System.out.println(b+" * "+i+" = "+(b*i));
            try{
               Thread.sleep(100);
            catch(Exception e){}
         }
   }
}
public class Main {
    public static void main(String args[])
      System.out.print("Enter the number of tables:");
      Scanner sc=new Scanner(System.in);
      int a=sc.nextInt();
      for(int i=1;i<=a;i++)</pre>
            Thread t=new Thread(new TablePrinter(i));
            t.start();
   }
}
```

Execution Results - All test cases have succeeded!

Enter the number	er of tables: 2	
1 * 1 = 1		
2 * 1 = 2		
1 * 2 = 2		
2 * 2 = 4		
1 * 3 = 3		
2 * 3 = 6		
1 * 4 = 4		
2 * 4 = 8		
1 * 5 = 5		
2 * 5 = 10		
1 * 6 = 6		
2 * 6 = 12		
1 * 7 = 7		
2 * 7 = 14		
1 * 8 = 8		
2 * 8 = 16		
1 * 9 = 9		
2 * 9 = 18		
1 * 10 = 10		
2 * 10 = 20		

Test Case - 2					
User Output					
Enter the number of tables: 3					
3 * 1 = 3					
2 * 1 = 2					
1 * 1 = 1					
3 * 2 = 6					
2 * 2 = 4					
1 * 2 = 2					
3 * 3 = 9					
2 * 3 = 6					
1 * 3 = 3					
3 * 4 = 12					
2 * 4 = 8					
1 * 4 = 4					
3 * 5 = 15					
2 * 5 = 10					
1 * 5 = 5					
3 * 6 = 18					
2 * 6 = 12					
1 * 6 = 6					
3 * 7 = 21					
2 * 7 = 14					
1 * 7 = 7					
2 * 8 = 16					
1 * 8 = 8					
3 * 8 = 24					
2 * 9 = 18					

1 * 9 = 9		
3 * 9 = 27		
2 * 10 = 20		
1 * 10 = 10		
3 * 10 = 30		