



Course outline How does an NPTEL online course work? Week 0 : Assignment 0 Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: • Lecture 26 : Demonstration-• Lecture 27 : Multithreading-I • Lecture 28: Multithreading-• Lecture 29 : Demonstration-• Lecture 30 : I-O Stream-I • Quiz: Assignment 6 ● Java Week €: Q1 ● Java Week €: Q2 ● Java Week €: Q3 Java Week 6: Q4 Java Week 6: Q5 • Feedback For Week 6 Week 7: Week 8: Week 9: Week 10: Week 11: Week 12: Solution **DOWNLOAD VIDEOS Text Transcripts** Programming Test - (April 11 - 10AM - 12 PM) Programming Test - (April 11 - 8PM - 10 PM)

Java Week 6: Q4

Due on 2020-10-29, 23:59 IST

Execution of two or more threads occurs in a random order. The keyword 'synchronized' in Java is used to control the execution of thread in a strict sequence. In the following, the program is expected to print some numbers. Use 'synchronized' keyword, so that, the program prints the output in the following order:

OUTPUT
5
10
15
20
25
100
200
300
400
500

Private Test case	s used for	evaluation
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Test Case 1

Input	Expected Output	Actual Output	Status
	5\n	5\n	
	10\n	10\n	
	15\n	15\n	
	20\n	20\n	
	25\n	25\n	Dd
	100\n	100\n	Passed
	200\n	200\n	
	300\n	300\n	
	400\n	400\n	
	500\n	500\n	

The due date for submitting this assignment has passed.

1 out of 1 tests passed

You scored 100.0/100.

Assignment submitted on 2020-10-21, 15:55 IST

Your last recorded submission was

```
class Execute{
synchronized void print(int n)
                                                                                                                                                                                   for(int i=1;i<=5;i++)
                                                                                                                                                                                                                                                                       System.out.println(n*i);
## Try
## Thread
                                                                                                                                                                                                                                                                                                               Thread.sleep(400):
                                                                                                                                                                                                                                                                          catch(Exception e)
                                                                                                                                                                                                                                                                                                               System.out.println(e);
              38 pu
40
41
42
43
44
45
46
47 }
                                            public class Question64{
  public static void main(String args[]){
    Execute obj = new Execute();//only one object
    Thread1 tl=new Thread1(obj);
    Thread2 t2=new Thread2(obj);
    t1.start();
    t2.start();
```

Sample solutions (Provided by instructor)

```
class Execute{
   // Just add 'synchronized' in the method
synchronized void print(int n){
   for(int i=1;i<=5;i++){
      System.out.println(n*i);
      try{
      Thread.sleep(400);
      } catch(Exception e){
       System.out.println(e);
}</pre>
```