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-X
- Lecture 27 : Multithreading-I
- Lecture 28 : Multithreading-II
- Lecture 29 : Demonstration-XI
- Lecture 30 : I-O Stream-I
- Quiz: Assignment 6
- Java Week 6: Q1
- Java Week 6: Q2
- Java Week 6: 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: Q3

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

A part of the Java program is given, which can be completed in many ways, for example using the concept of thread, etc.
Follow the given code and complete the program so that your program prints the message "NPTEL Java". Your program should utilize the given interface/ class.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		NPTEL Java	NPTEL Java	Passed

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, 15:02 IST
Your last recorded submission was :

```
1  // Interface A is defined with an abstract method run()
2  interface A {
3      public abstract void run();
4  }
5
6  // Class B is defined which implements A and an empty implementation of run()
7  class B implements A {
8      public void run() {}
9  }
10
11 // Create a class named MyThread and extend/implement the required class/interface
12
13 class MyThread extends B
14 {
15 // Define a method in MyThread class to print the output
16     public void run()
17     {
18         System.out.print("NPTEL Java");
19     }
20 }
21
22     // Main class Question is defined
23 public class Question63 {
24     public static void main(String[] args) {
25         // An object of MyThread class is created
26         MyThread t = new MyThread();
27         // run() of class MyThread is called
28         t.run();
29     }
30 }
31
```

Sample solutions (Provided by instructor)

```
1  // Interface A is defined with an abstract method run()
2  interface A {
3      public abstract void run();
4  }
5
6  // Class B is defined which implements A and an empty implementation of run()
7  class B implements A {
8      public void run() {}
9  }
10
11 // Class MyThread is defined which extends class B
12 class MyThread extends B {
13     // run() is overriden and 'NPTEL Java' is printed.
14     public void run() {
15         System.out.print("NPTEL Java");
16     }
17 }
18
19     // Main class Question is defined
20 public class Question63 {
21     public static void main(String[] args) {
22         // An object of MyThread class is created
23         MyThread t = new MyThread();
24         // run() of class MyThread is called
25         t.run();
26     }
27 }
28
```