

Week 06 : Programming Assignment 3

Due on 2025-03-06, 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

Test Case 1

Input

Expected Output

Actual Output

Status

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 2025-03-05, 19:47 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 class MyThread extends Thread implements A {
11     public void run() {
12         System.out.print("NPTEL Java");
13     }
14 }
15 // Main class Question is defined
16 public class W06_P3{
17     public static void main(String[] args) {
18         // An object of MyThread class is created
19         MyThread t = new MyThread();
20         // run() of class MyThread is called
21         t.run();
22     }
23 }
```

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 // Class MyThread is defined which extends class B
11 class MyThread extends B {
12     // run() is overridden and 'NPTEL Java' is printed.
13     public void run() {
14         System.out.print("NPTEL Java");
15     }
16 }
17 // Main class Question is defined
18 public class W06_P3{
19     public static void main(String[] args) {
20         // An object of MyThread class is created
21         MyThread t = new MyThread();
22         // run() of class MyThread is called
23         t.run();
24     }
25 }
```