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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**

 Announcements (announcements) **About the Course** (https://swayam.gov.in/nd1_noc20_cs08/preview)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 6 - Week 4 :

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 Course
outline

 How does an
NPTEL online
course work?

Week 0 :

Week 1 :

Week 2 :

Week 3 :

Week 4 :

☐ Lecture 16 :
Demonstration-
VII (unit?
unit=5&lesson=30)

☐ Lecture 17 :
Packages-I
(unit?
unit=5&lesson=31)

☐ Lecture 18 :
Packages-II

Assignment 4

 The due date for submitting this assignment has passed. **Due on 2020-02-26, 23:59 IST.**

Assignment submitted on 2020-02-26, 21:49 IST

 1) 1 point
Which of the following is/are NOT correct regarding packages in Java?

- a. Java supports both pre-defined and user-defined packages.
- b. Packages are used to organize a set of related classes and interfaces.
- c. Pre-defined packages help to develop programs easily by providing thousands of classes.
- d. Packages are used to organize only a set of related classes and not interfaces.

☐ a.

☐ b.

☐ c.

☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

 2) 1 point

(unit?
unit=5&lesson=32)

☐ Lecture 19 :
Demonstration-
VIII (unit?
unit=5&lesson=33)

☐ Lecture 20 :
Interface-I (unit?
unit=5&lesson=34)

☒ **Quiz :
Assignment 4
(assessment?
name=96)**

☒ Java Week 4:
Q1
(/noc20_cs08/progassignment?
name=125)

☒ Java Week 4:
Q2
(/noc20_cs08/progassignment?
name=126)

☒ Java Week 4:
Q3
(/noc20_cs08/progassignment?
name=127)

☒ Java Week 4:
Q4
(/noc20_cs08/progassignment?
name=129)

☒ Java Week 4:
Q5
(/noc20_cs08/progassignment?
name=128)

☐ Feedback For
Week 4 (unit?
unit=5&lesson=130)

Week 5 :

Week 6 :

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**Assignment
Solution**

Which of the following access specifier(s) should you choose if you need access restricted to only subclass in the same package or different package?

- a. default
- b. public
- c. protected
- d. private

- ☐ a.
☐ b.
☒ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

3)

What is the significance of the '*' in the following line, where "package" denotes a name of a package?

```
import package.*;
```

1 point

Select the correct statement in the following.

- a. Only the classes of this package will be imported.
- b. Only the interfaces of this package will be imported.
- c. All the classes and interfaces of this package will be imported.
- d. All the classes, interfaces and sub-packages of this package will be imported.

- ☐ a.
☐ b.
☒ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

4)

Which of the following statement(s) is (are) CORRECT regarding an interface in Java?

- a. An interface can contain only abstract methods and standard methods but no static methods are allowed.
- b. Method bodies in an interface doesn't exist for default methods and abstract methods.
- c. An interfaces cannot be instantiated but can be implemented by classes.
- d. An interfaces cannot be instantiated but can be extended by other interfaces.

- ☐ a.
☒ b.
☒ c.
☒ d.

No, the answer is incorrect.

Score: 0

1 point

Accepted Answers:

- c.
- d.

5)

1 point

How Java Runtime Environment (JRE) knows where to look for a package that you create?

- a. It searches in the current directory.
- b. It searches in the location set in the CLASSPATH environment variable.
- c. A user can set the path during runtime using the `-classpath` option.
- d. Using the `-path` option, a user can set the path.

- ☒ a.
- ☒ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.
- b.
- c.

6)

1 point

Which of the following is the correct way of importing an entire package 'pkg'?

- a. `import pkg;`
- b. `import pkg.;`
- c. `import pkg.*;`
- d. `Import pkg.*;`

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- c.

7)

1 point

Which of the following package(s) stores all the standard java classes?

- a. `lang`
- b. `java`
- c. `util`
- d. `java.packages`

- ☐ a.
- ☒ b.
- ☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

8)

1 point

Consider the program given below.

```
Package com.nptel.iitkgp.course;
package com.nptel.online.java;

public class Test{
public static void main(String[] args){
if(1){
System.out.println("NPTEL");
}
    else{
System.out.println("Welcome");
}
}
}
```

What will be the output if the above program is executed?

- a. It will give compile-time error
- b. It will give run-time error
- c. It will produce output
NPTEL
- d. It will produce output
Welcome

☒ a.

☐ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

9)

1 point

Which of the following statement(s) is/are NOT true?

- a. The default package in the Java language is java.lang.
- b. String is a final class and it is present in java.lang package.
- c. FileWriter is a class present in java.util package.
- d. Thread is a class present in java.lang package.

☐ a.

☐ b.

☒ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

10)

1 point

Which of the following interfaces is/are NOT a member of `java.io` package?

- a. `DataInput`
- b. `ObjectInput`
- c. `Runnable`
- d. `FileFilter`

☐ a.

☐ b.

☒ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.