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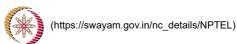
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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview)   Ask a Question (forum)

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Unit 6 - Week 4 :

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)

Assignment 4

Your last recorded submission was on 2020-02-23, 12:15 Due date: 2020-02-26, 23:59 IST. IST

1)   *1 point*

Which of the following is/areNOT 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.

2)   *1 point*

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

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**Assignment
Solution**

☐ a.

☑ b.

☑ c.

☐ d.

3)   *1 point*

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

```
import package.*;
```

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.

4)   *1 point*

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.

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.

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.
- [x] c.
- [ ] d.

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.
- [x] b.
- [ ] c.
- [ ] d.

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 programis 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

- [x] a.
- [ ] b.
- [ ] c.

☐ d.

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.

10)   *1 point*

Which of the following interfaces is/areNOT a member of `java.io` package?

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

☐ a.
☐ b.
☑ c.
☐ d.

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers