

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

● Lecture 16 : Demonstration-VII

● Lecture 17 : Packages-I

● Lecture 18 : Packages-II

● Lecture 19 : Demonstration-VIII

● Lecture 20 : Interface-I

● Quiz: Assignment 4

● Java Week 4: Q1

● Java Week 4: Q2

● Java Week 4: Q3

● Java Week 4: Q4

● Java Week 4: Q5

● Feedback For Week 4

Week 5 :

Assignment 4

The due date for submitting this assignment has passed.

Due on 2020-10-14, 23:59 IST.

Assignment submitted on 2020-10-06, 22:48 IST

1) Which of the following is/are interface(s) of `java.awt` package?

1 point

- a. CardLayout
- b. Checkbox
- c. Choice
- d. MenuContainer

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

2) Which of the following keyword is used to define a package in Java?

1 point

- a. class
- b. implements
- c. extends
- d. package

- ☐ a.
- ☐ b.

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

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Text Transcripts

Programming Test - (April 11
- 10AM - 12 PM)

Programming Test - (April 11
- 8PM - 10 PM)

☐ c.

☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

3) Which of the following is/are true?

1 point

- 1) Every class is a part of some package.
- 2) All classes in a file are part of the same package.
- 3) If no package is specified, the classes in the file go into a special unnamed package.
- 4) If no package is specified, a new package is created with folder name of class and the class is put in this package.

a. Only 1, 2 and 3

b. Only 3 and 4

c. Only 1 and 3

d. Only 3

☒ a.

☐ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

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

1 point

- 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

Accepted Answers:

c.

d.

5) **How Java Runtime Environment (JRE) knows where to look for a package that you create?** 1 point

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

- 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.

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

1 point

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

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

8) Consider the program given below.

1 point

```
import java.lang.Math.*;
public class Main{
    public static void main(String args[]){

        System.out.println(Math.PI*1/Math.PI);

    }
}
```

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. 1.0
- d. 3.14

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

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

1 point

- 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. Runnable is a class present in java.lang package.
- d. Thread is a class present in java.lang package.

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

10) Which of the following statement(s) is/are true?

1 point

- a. With the import statement, generally import only a single package member or an entire package.
- b. To import all the types contained in a particular package, use the import statement with the asterisk (*) wildcard character.
`import package.*;`
- c. `import package.A*;` it used to match a subset of the classes in a package starts with "A".
- d. `import package.A*;` it generates compilation error.

- ☒ a.
- ☒ b.
- ☐ c.
- ☐ d.

Partially Correct.

Score: 0.66

Accepted Answers:

a.

b.

d.