

Unit 6 - Week 4 :

Course outline

How does an NPTEL online course work?

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Solution

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Assignment 4

The due date for submitting this assignment has passed.

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

Assignment submitted on 2020-10-10, 23:51 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.
- ☐ 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.

Yes, the answer is correct.

Score: 1

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(PI*1/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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

d.