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



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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=42&lesson
=43)

Week 4:Assignment 4

The due date for submitting this assignment has passed.

Due on 2023-08-23, 23:59 IST.

Assignment submitted on 2023-08-15, 17:03 IST

1)

1 point

Which of the following is the correct statement for creating a package?

- a. `<package name> package;`
- b. `package <package name>;`
- c. `package;`
- d. `<package name>;`

☐ a.

☒ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

2)

1 point

● Lecture 17 :
Packages-I
(unit?
unit=42&lesson
=44)

● Lecture 18 :
Packages-II
(unit?
unit=42&lesson
=45)

● Lecture 19 :
Demonstration-
VIII (unit?
unit=42&lesson
=46)

● Lecture 20 :
Interface-I
(unit?
unit=42&lesson
=47)

● Quiz: Week
4:Assignment
4
(assessment?
name=235)

● Week 4 :
Programming
Assignment 1
(/noc23_cs74/p
rogassignment
?name=236)

● Week 4 :
Programming
Assignment 2
(/noc23_cs74/p
rogassignment
?name=237)

● Week 4 :
Programming
Assignment 3
(/noc23_cs74/p
rogassignment
?name=238)

● Week 4 :
Programming
Assignment 4
(/noc23_cs74/p

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.

3)

1 point

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

- a. Java packages are hierarchical.
- b. `System.out.println()` is a predefined java function.
- c. Java can have a nested class structure.
- d. The Java *static* keyword is a non-access modifier.

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.

4)

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.

rogassignment
?name=239)

- Week 4 :
Programming
Assignment 5
(/noc23_cs74/p
rogassignment
?name=240)

- Feedback For
Week 4 (unit?
unit=42&lesson
=48)

- Assignment 4
Solution (unit?
unit=42&lesson
=49)

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

5)

1 point

Consider the program given below.

```
public class Main{
    public static void main(String args[]){
        System.out.println(cos(2*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.

6)

1 point

Which of the following is the minimum requirement for executing a Java program?

- a. JDK
- b. JRE
- c. JDK without JRE
- d. JRE without JDK

☐ a.

☒ b.

☐ c.

☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

d.

7)

1 point

Which of the following is required for developing a Java program?

- a. JDK
- b. JRE
- c. JDK without JRE
- d. JRE without JDK

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

8)

1 point

Which of the following is/are valid declaration(s) of an interface?

- a.

```
public interface Question {  
    void method (int value) {  
        System.out.println("Nptel");  
    }  
}
```
- b.

```
public interface Question {  
    void method (int value);  
}
```
- c.

```
public interface Question {  
  
}
```
- d.

```
public interface Question {  
    default void method (int value) {  
        System.out.println("Nptel");  
    }  
}
```

- ☐ a.

- ☒ b.
- ☒ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

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. 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)

1 point

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

- 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.*