Assignment 4

The due date for submitting this assignment has passed. Due on 2020-02-26, 23:59 IST. As per our records you have not submitted this assignment.

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.

No, the answer is incorrect.
Score: 0
Accepted Answers:
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

☐ a.
What is the significance of the `*` in the following line, where “package” denotes a name of a package?

```java
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.

No, the answer is incorrect.
Score: 0
Accepted Answers: c.

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.

No, the answer is incorrect.
Score: 0
Accepted Answers: c.
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.

No, the answer is incorrect.
Score: 0
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.*;

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
Accepted Answers:
  b.
8) Consider the program given below.

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

public class Test{
public static void main(String[] args){
if(true){
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

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

9) 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.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

10)
Which of the following interfaces is/are NOT a member of `java.io` package?

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

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

https://onlinecourses.nptel.ac.in/noc20_cs08/unit?unit=5&assessment=96