Java: Packages

Quiz

Question 1

```
package a;
 public class R { }
 package a.b;
   public class P { }
package a.b.c;
     public class D {}
 // insert code here
public class M{   R r;   P p;   D; }
```

Which of options will make will make M compile?

A. `package a; import a.*;`
B. `package a; import a.b.*; import a.b.c;`
C. `package a.b.c; import a.*; import a.b.*;`
D. `import a; import a.b;import a.b.c;`

Question 2

Test1.java

```
package a;
package b;
public class Test1 {
public static void main(String[] args) {}
public class Test2{
public static void main(String[] args) {}
}
```

What is/are the problems with the code?

A. There are two package statements. There can be only 1.
B. There are two main methods. There can be only 1.
C. There are two public classes. There can be only 1.
D. The file must be named as Test2.java.

Question 3

<u>**Test.java**</u>

```java
package a;
class Test1 {
public static void main(String[] args) {
  System.out.println("Test1");    }
}
class Test2{
public static void main(String[] args) {
System.out.println("Test2");    }
}
```

What command will print Test2 on the console?

```
A.  java Test
B.  java a.Test
C.  java a.Test1
D.  java a.Test2
```

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Question 4

```
package a;
public class A{}
public class B{}
```

Which of the following are the valid ways of
accessing class A from class B?

A.   A
B.   a.A
C.   A.a
D.   a.*

Question 5

Which of the following are Package naming conventions?

A. **Must begin with lower case**

B. **Must not contain numbers**

C. **Must be all in lower case**

D. **Must be a single letter**

Question 6

What of the following packages are imported automatically?

A. `javax.lang`

B. `java.lang`

C. `java.lang.System`

D. `java.io`

Question 7

The `import` statement in Java

A. Includes the source file of the specified classes with the current file before compiling

B. Includes the class files of the specified classes with the current class file before after compiling

C. Loads the class files on demand

D. Allows the current code to access classes which are declared in other packages without using their full name.

Question 8

Which class(es) are NOT available to java program without explicit import?

A. **Scanner**

B. **System**

C. **String**

D. **Grade**

Question 8

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A. Scanner

B. System

C. String

D. Grade

Question 9

What can be done so that classes in multiple packages can be distributed without issues?

A. Create ZIP file

B. Create JAR file

C. Set the classpath to the network location of class files

D. Set the path to the network location of class files

Question 9

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C. Set the classpath to the network location of class files

D. Set the path to the network location of class files

Question 10
Select the code snippets which is/are NOT correct?

A. ```
   package Student;
   import java.lang. *;   //Note the space is intentional
   public class Grade{}
   ```
B. ```
   import java.lang.*;
   package student;
   public class Grade{}
   ```
C. ```
   package student;
   import java.lang.*;
   public class Grade{}
   public class Teacher{}
   ```
D. ```
   import java.*;
   import java.lang.*;
   public class Grade{}
   ```

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Question 11

How can you change set class-path through java code?

A. Using "set classpath" command

B. Using **System.setProperty()**

C. Using **System.setClasspath()**

D. This cannot be done

Question 11

How can you change set class-path through java code?

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Question 12

```
Scanner sc = new Scanner(in);
 int i = sc.nextInt();
```

What needs to be done in the above code to get the input from console?

A. Change **in** to **System.in**

B. Change **Scanner** to **System**

C. Add **import System.* ;**

D. Add **import java.lang.System.*;**

Question 12

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Scanner sc = new Scanner(in);
 int i = sc.nextInt();
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What needs to be done in the above code to get the input from console?

A. Change **in** to **System.in**

B. Change **Scanner** to **System**

C. Add **import System.* ;**

D. Add **import java.lang.System.*;**

Question 13

Scanner class is defined in

A.java.lang

B.java.io

C.java.util

D.java.net

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Question 13

`Scanner` class is defined in

A. `java.lang`

B. `java.io`

C. `java.util`

D. `java.net`

Question 14

```
package a;
class A{
int i;
A(){}
}
package b;
public class B{}
```

For class **B** to access **i** of class **A**, which of the following is/are necessary?

A. `class A` must be declared `public`
B. `Constructor A(){}` must be declared `public`
C. `int i` must be declared `public`
D. None of the above

Question 14

```
package a;
class A{
int i;
A(){}
}
package b;
public class B{}
```

For class **B** to access **i** of class **A**, which of the following is/are necessary?

A. **class A** must be declared **public**
B. **Constructor A(){}** must be declared **public**
C. **int i** must be declared **public**
D. None of the above

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Question 15

```
package a.b.c;
class A{}
```

On compiling using the command javac –d A.class will be placed

A. inside the folder 3 folders a, b and c

B. inside c folder which in turn will be inside b folder and that in turn will be inside a folder

C. inside a folder which in turn will be inside b folder and that in turn will be inside c folder

D. Inside folder named a.b.c

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D. Inside folder named a.b.c