1) Package in Java is a mechanism to encapsulate a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a) Classes

b) Interfaces

c) Sub Packages

**d) All of the above**

2) Which of these keywords is used to define packages in Java?

a) pkg

b) Pkg

**c) package**

d) Package

3) Which of these is a mechanism for naming and visibility control of a class and its content?

a) Object

**b) Packages**

c) Interfaces

d) None of the Mentioned.

4) Which of this access specifies can be used for a class so that its members can be accessed by a different class in the same package?

a) Public

b) Protected

c) No Modifier

**d) All of the mentioned**

5) Which of these access specifiers can be used for a class so that its members can be accessed by a different class in the different package?

**a) Public**

b) Protected

c) Private

d) No Modifier

6) Which of these package is used for graphical user interface?

**a) java.awt**

b) java.applet

c) java.io

d) java.awt.image

7) Which of this package is used for analyzing code during run-time?

a) java.io

b) java.awt

c) java.applet

**d) java.lang.reflect**

8) 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.\*

9) Which of the following is an incorrect statement about packages?

a) A package can contain other package within it

b) Java uses file system directories to store packages

c) Package defines a namespace in which classes are stored

**d) A package can be renamed without renaming the directory in which the classes are stored**

10) Package names and directory structure are closely related.

**a) True**

b) False

11) Which of the following package stores all the standard java classes?

**a) Java**

b) Util

c) Lang

d) Java.packages

12) Packages that are inside another package are the \_\_\_\_\_\_\_\_\_

a) packages

**b) subpackages**

c) util subpackages

d) nested packages

13) What is a package in Java?

a) A Package is a collection of files of type Java Class, Interfaces, or Abstract Class

b) A Package is simply a Directory or Folder with Java Classes

c) A Package usually contains Java Classes written for a specific purpose or problem

**d) All the above**

14) Choose the correct syntax of a Java Package below.

**a) package PACKAGE\_NAME;**

b) package PACKAGE\_NAME.\*;

c) pkg PACKAGE\_NAME;

d) pkg PACKAGE\_NAME.\*;

15) What is the maximum number of Java Class files that can be kept inside a single Java Package?

a) 8

b) 64

c) 128

**d) Unlimited**

16) The name of a package is the name of the \_\_\_ in Java.

a) folder

b) All parent folders separated by DOT symbols

c) All parent packages separated by DOT symbols

**d) All the above**

17) The keyword used to import a package into Java class or Interface is \_\_\_.

**a) import**

b) download

c) use

d) None of the above

18) Which is the default Java package that will be auto included (imported) in the classpath while Compiling and Running a Java program?

a) java.io

b) java.util

c) java.net

**d) java.lang**

19) What are the popular Classes or Interfaces inside a Java Language Pack (java.lang)?

a) Byte, Character, Short, Integer, Float, Long, Number

b) Math, String, StringBuffer, StringBuilder

c) Thread, Throwable, Exception, Error

**d) All the above**

20) Choose a correct way of importing all the classes in the below java program with packages.

//Cat.java

package animals;

public class Cat { }

//Dog.java

package animals;

public class Dog { }

//PackageTesting.java

//import statements

public class

{

//new Cat();

//new Dog();

}

a) import animals.\*;

b) import animals.cat;

import animals.Dog;

**c) Both A and B**

d) None

21) Which is the less restrictive access modifier in Java?

**a) public**

b) private

c) protected

d) default

22) Which is the most restrictive access modifier in Java?

a) public

**b) private**

c) protected

d) default

23) To access a protected variable or method of a Class outside the package, you need to \_\_\_\_ in Java.

a) Create an instance and call the protected variable or method

**b) Create a Subclass and call the protected variable or method**

c) A and B

d) None of the above

24) What is the output of the Java program with PROTECTED access modifer?

package package1;

public class Milk

{

protected int volume = 1000; //Liters

}

package package2;

import package1.Milk;

public class RoseMilk extends Milk

{

public static void main(String[] args)

{

Milk object = new Milk();

System.out.println(object.volume);

}

}

a) 0

b) 1000

c) null

**d) Compiler error**

Explanation:

You can access PROTECTED things from within the same package in either STATIC or NON-STATIC methods. But, if you want to call PROTECTED things from outside PACKAGE, you should move the code to a non-static method.

25) For which purpose packages are used in Java?

a) Categorizes data

**b) Organizing java classes into namespaces**

c) For faster compilation

d) None of these

26) The first statement in java source file

a) import statement

**b) package statement**

c) main statement

d) try{} and catch{}

27) Which of these is a mechanism for naming and visibility control of a class and its content?

a) Object

**b) Packages**

c) Interfaces

d) None of the Mentioned.

28)What is the output of this program?

Note : Output.class file is not in directory pkg.

package pkg;

class output

{

public static void main(String args[])

{

StringBuffer s1 = new StringBuffer("Hello World");

s1.insert(6 , "Good ");

System.out.println(s1);

}

}

a) HelloGoodWorld

b) HellGoodoWorld

c) Compilation error

**d) Runtime error**

29) Which among the following best describes the protected specifier?

a) Members are most secure and can’t be used outside class

b) Members are secure but can be used outside the class

**c) Members are secure as private, but can be inherited**

d) Members are secure like private, but can’t be inherited

30) If the protected members are to be made accessible only to the nearest subclass and no further subclasses, which access specifier should be used in inheritance?

**a) The sub class should inherit the parent class privately**

b) The sub class should inherit the parent class as protected

c) The sub class should inherit the parent class as public

d) The sub class can use any access modifier