IRC_Java_D1_Java Basics_KQ_MCQ

Test Summary
- No. of Sections: 1
- No. of Questions: 30
- Total Duration: 30 min

Section 1 - MCQ

Section Summary
- No. of Questions: 30
- Duration: 30 min

Additional Instructions:

None

Q1.   Java is a --------- language.

weakly typed

strongly typed

moderate typed

none of these

Q2.   System class is defined in ....

java.util package

java.lang package

java.io package

java.awt package

Q3.   ……………………. class is used to increase the efficiency of input operations.

DataInputStream

FileInputStream

BufferedInputStream

PipeInputStream

Q4.   Which of the following is needed to run Java applications and applets?

JRE

JDK

JVM

Q5. A java program can run on which of the following operating systems?

All of the listed options.

Windows

Linux

Unix

Q6. What is the correct syntax for java main method?

public void main(String[] args)

public Static void main(string[] args)

public Static void main()

public static void main(String[] args)

Q7. Which of these is used to perform all input & output operations in Java?

streams

Variables

classes

Methods

Q8. What is the default buffer size used by any buffered class?

128 bytes

256 bytes

512 bytes

1024 bytes

Q9.   Which package contains PrintStream class?

> java.lang.ref

> java.util.*

> java.io.*

Q10.   Which package is imported into every Java class by default?

> java.util

> java.lang

> system.lang

> java.system

Q11.   Which of the following is not a valid code comment in Java?

> // Add to value

> /*** TODO: Format code ***/

> # Add configuration value

> /* Read file for input ****/

Q12.   What is the proper filename extension for a Java bytecode compiled file?

> .java

> .bytecode

> .class

> .dll

Q13.   Which of the following is true of a Java bytecode file?

> It can be run on any computer with a compatible JVM.

> It can only be executed on the same type of computer that it was created on.

> It can be easily read and modified in a standard text editor.

It requires the corresponding .java that created it to execute.

Q14.   Which statements about calling the compilation command javac and the execution command java are true?
I. java may use a period . to separate packages.
II. javac takes a .java file and returns a .class file.
III. java may use a slash (/) to separate packages.

I only

II only

I and II

I, II, and III

Q15.   Which of the following is valid for compiling java source file with the name "Main.java"

javac Main.java

javac Main.class

java Main.java

javac Main

java Main

Q16.   Choose the option that contains only primitive literals.

1, 'c', "a"

1, 1.5f, True

'BF', 10, "Sure"

1.2D, 1f, 'c'

None of the above.

Q17.   Java source code will be compiled in to _ _ _ _ _ _ _ _ _ file.

.java

.class

.exe

.byte

None of the above

Q18.   Which statement about a valid .java file is true?

It can only contain one class declaration.

It can contain one public class declaration and one public interface definition.

It must define at least one public class.

It may define at most one public class.

Q19.   Which statement about import statements is true?

The class will not compile if it contains unused import statements.

Unused import statements can be removed from the class without causing a class to become unable to be compiled.

The class will not compile if a duplicate import statement is present.

If a class contains an import statement for a class used in the program that cannot be found, it can still compile.

Q20.   Given that the current directory is /user/home, with an application Java file in /user/home/Manager.java that uses the default package, which are the correct commands to compile and run the application in Java?

javac Manager
java Manager

javac Manager.java
java Manager

javac Manager
java Manager.class

javac Manager.java
java Manager.class

Q21.   Which of the following is not a property of a JVM?

It prevents Java bytecode from being easily decoded/decompiled.

It supports platform independence.

It manages memory for the application.

It translates Java instructions to machine instructions.

Q22.   Which of the following is a true statement?

The java command compiles a .java file into a .class file.

The javac command compiles a .java file into a .class file.

The java command compiles a .class file into a .java file.

The javac command compiles a .class file into a .java file.

Q23.   Given the following code, what values inserted in order into the blank lines, allow the code to compile?

```
1   _____ agent;
2   public _____ Banker {
3   private static _____ getMaxWithdrawal() {
4      return 10;
5   }
6   }
7   |
```

import, class, null

import, interface, void

package, int, int

package, class, long

Q24.   If a variable is marked as _____ , every time the variable is used it must be read from the main memory. Similarly every time a variable is written, the value must be stored in main memory.

Shared

static

final

volatile

Q25.   What is required to define a valid Java class file?

A class declaration

A package statement

At least one import statement

The public modifier

Q26.   How many primitive types are there in java.

6

7

8

9

Q27.   In java bye,short,int and long all of these are

signed

unsigned

both of these

none of these

Q28.   In java main method return a value of type

void

int

real

string

Q29.   What is the result of compiling and executing the following class?

```
1  public class MyClass
2  {
3     int x = 10;
4     public static void main(String[] data)
5     {
6        int y = 5;
7        System.out.print(x+y);
8     }
9  }
```

Compile time error

It compiles but throws an exception at runtime.

It compiles and outputs 5.

It compiles and outputs 15.

Q30.   Which is the correct "Hello World" program?

```
Class HelloWorld
{
public void main(String args[])
{
System.out.println("Hello World");
}
}
```

```
class HelloWorld
{
public static void main(String args[])
{
System.out.println("Hello World")
}
}
```

```
class HelloWorld
{
public static void main(String args[])
{
System.out.println("Hello World");
}
}
```

```
class HelloWorld
{
public static void main(String args[])
{
system.out.println("Hello World");
}
}
```

Section 1 - MCQ

Q1

strongly typed

Solution

No Solution

Q2

java.lang package

Solution

No Solution

Q3

BufferedInputStream

Solution

No Solution

Q4

JRE

Solution

No Solution

Q5

All of the listed options.

Solution

No Solution

Q6

public static void main(String[] args)

Solution

No Solution

Q7

streams

Solution

No Solution

Q8

512 bytes

Solution

No Solution

Q9
java.io.*

Solution

No Solution

Q10
java.lang

Solution

No Solution

Q11
Add configuration value

Solution

No Solution

Q12
.class

Solution

No Solution

Q13
It can be run on any computer with a compatible JVM.

Solution

No Solution

Q14
I and II

Solution

No Solution

Q15
javac Main.java

Solution

No Solution

Q16
1.2D, 1f, 'c'

Solution

No Solution

Q17
.class

Solution

No Solution

Q18   It may define at most one public class.

Solution

No Solution

Q19   Unused import statements can be removed from the class without causing a class to become unable to be compiled.

Solution

No Solution

Q20   javac Manager.java

java Manager

Solution

No Solution

Q21   It prevents Java bytecode from being easily decoded/decompiled.

Solution

No Solution

Q22   The javac command compiles a .java file into a .class file.

Solution

No Solution

Q23   package, class, long

Solution

No Solution

Q24   volatile

Solution

No Solution

Q25   A class declaration

Solution

No Solution

Q26

8

Solution

boolean , **byte** , **char** , **short** , **int** , long , **float** and double

Q27

signed

Solution

No Solution

Q28

void

Solution

No Solution

Q29

Compile time error

Solution

No Solution

Q30

```
class HelloWorld
{
public static void main(String args[])
{
System.out.println("Hello World");
}
}
```

Solution

No Solution