

1. Which of the following packages is imported by default?

- ☒ java.lang
- ☐ java.io
- ☐ java.math
- ☐ java.text

2. What is the correct order to solve any problem?

- ☐ Process --> Input --> Output
- ☐ Input --> Output --> Process
- ☒ Input --> Process --> Output
- ☐ Output --> Input --> Process

3. Which of the following is not a primitive data type in Java?

- ☐ int
- ☐ float
- ☐ boolean
- ☒ String

4. What is the maximum value that can be stored in a "byte" data type in Java?

- ☐ 128
- ☐ 255
- ☐ 3452
- ☒ 127

5. Which of the following data types is used to represent true/false values in Java?

- ☒ boolean
- ☐ char
- ☐ int
- ☐ byte

6. The "long" data type in Java is how many bytes in size?

- ☐ 2 bytes
- ☐ 4 bytes
- ☒ 8 bytes
- ☐ 16 bytes

7. Which data type should be used to store whole numbers that can range from  $-2^{31}$  to  $2^{31}-1$ ?

- ☐ byte

- ☒ **int**
- ☐ **long**
- ☐ **short**

8. Which of the following is the correct way to declare a variable in Java?

- ☐ **var x;**
- ☐ **variable x;**
- ☒ **int x;**
- ☐ **x=int;**

9. Which of the following is NOT a valid variable name in Java?

- ☐ **count**
- ☒ **123abc**
- ☐ **\$value**
- ☐ **\_result**

10. What is the data type of a variable that can hold a single character in Java?

- ☒ **char**
- ☐ **String**
- ☐ **character**
- ☐ **boolean**

11. Designer of Java Programming Language?

- ☐ **Guido Von Rossum**
- ☐ **Dennis Ritchie**
- ☐ **Graydon Hoare**
- ☒ **James Gosling**

12. Which of the following is the Java's main method signature?

- ☐ **int main()**
- ☒ **public static void main(String[] args)**
- ☐ **fn main()**
- ☐ **main()**

13. Java is?

- ☐ **A Compiled Programming Language**
- ☒ **Both Compiled and Interpreted Programming Language**
- ☐ **An Interpreted Programming Language**
- ☐ **Not a Programming Language**

14. Extension of a Java Source file?

- ☒ .java
- ☐ .jv
- ☐ .gt
- ☐ .class

15. Which of the following is NOT a primitive data type in Java?

- ☐ int
- ☐ byte
- ☐ boolean
- ☒ long long

16. The only thing we can change in the following main method signature of Java?

`public static void main(String[] args)`

- ☒ The name of the String Array
- ☐ The return type
- ☐ The static keyword
- ☐ The public keyword

17. Which of the following statements is VALID in Java?

- ☐ `float floatVar = 123.45;`
- ☐ `float floatVar = -123.45;`
- ☒ `float floatVar = 123.45F;`
- ☐ `float floatVar = true;`

18. What is the output of the following Java code?

```
class Solution {  
    public static void main(String[] args) {  
        int intVar = 10;  
        System.out.print("Hello World");  
        System.out.println("This is Java\nProgram");  
        System.out.printf("%d\n%d", intVar, intVar*intVar);  
        System.out.println("Thank You!");  
    }  
}
```

- ☐ Hello WorldThis is Java  
Program10  
100Thank You!
- ☐ Hello World  
This is  
Java Program  
10 100Thank You!

☒ Hello WorldThis is Java

Program

10

100Thank You!

☐ Hello World

This is Java Program

10

100

Thank You!

19. Which of the following statements are correct to Compile and Run a Java program through CLI(Command Prompt/Powershell/Terminal)?

☐ javac classname.java

java filename

☒ javac filename.java

java classname

☐ javac filename

java classname

☐ java filename.java

javac classname

20. Which of the following main method signatures is/are correct in Java?

1. public static void main(String[] args)

2. public static void main(String args[])

3. public static int main(String args[])

4. public static void main(String avengers[])

☐ All of the above

☐ Only 3

☒ Only 1, 2 and 4

☐ Only 1 and 2

21. As we know the that java.lang package is imported into every Java program by default, identify which classes used in the following Java program belong to the java.lang package.

Note: You can assume that user has entered 25 as the input during the execution.

```
import java.util.*;
class Solution {
    public static void main(String[] a) {
        Scanner sc = new Scanner(System.in);
        int intVar = sc.nextInt();
        double squareRoot = (double)Math.sqrt(intVar);
        System.out.println(squareRoot);
    }
}
```

☐ Scanner and String classes

☒ String, Math and System classes

- ☐ Only Scanner class
- ☐ All Scanner, String, Math and System classes

22. Which of the following usages of print statement is INCORRECT in Java?

- ☐ System.out.println()
- ☐ System.out.print()
- ☒ system.out.Println()
- ☐ System.out.printf()

23. Match the value with associated datatype.

Value		Datatype	
1	123456789	A	String
2	"true"	B	boolean
3	-17.9	C	double
4	false	D	char
5	'%'	E	int

- ☐ 1-E, 2-B, 3-C, 4-A, 5-D
- ☐ 1-E, 2-A, 3-D, 4-C, 5-B
- ☐ 1-E, 2-A, 3-C, 4-D, 5-B
- ☒ 1-E, 2-A, 3-C, 4-B, 5-D

24. Which of the following print statements in Java will print 10, 20 and 30 in 3 separate lines.

1. System.out.print(10 + "\n" + 20 + "\n" + 30);
2. System.out.printf("%d%n%d%n%d", 10, 20, 30);
3. System.out.printf("%d\n%d\n%d\n", 10, 20, 30);
4. System.out.println(10, 20, 30, sep='\n');

- ☐ Only 4
- ☐ Only 1 and 3
- ☒ Only 1, 2 and 3
- ☐ All of them

25. James Gosling designed/developed Java at?

- ☐ Google
- ☐ Oracle
- ☒ Sun Micro Systems
- ☐ Facebook

26. Which of the following is NOT a code editor / IDE that can be used for Java Applications Development?

- ☐ IntelliJ IDEA
- ☐ NetBeans
- ☒ Apache Hadoop
- ☐ Eclipse

27. Java is a?

- ☐ Both statically typed and dynamically typed
- ☒ Statically typed programming language
- ☐ Dynamically typed programming language
- ☐ None

28. Which of the following is a valid Java identifier?

- ☐ 3variable
- ☒ \_variable
- ☐ my-variable
- ☐ class

29.

In which year was the first version of Java released?

- ☐ 1992
- ☒ 1995
- ☐ 1990
- ☐ 1990

30. Now which company owned java?

- ☐ IBM
- ☒ Oracle corporation
- ☐ Microsoft
- ☐ Google