

B.Hanumanthu-ISTE60

Format: Multiple-Choice Questions (MCQs)

Time:90 mins

Points:100

1. JDK stands for_____.

A. Java development kit

B. Java deployment kit

C. JavaScript deployment kit

D. None of these

2. JRE stands for_____.

A. Java run ecosystem

B. JDK runtime Environment

C. Java Runtime Environment

D. None of these

3. What makes the Java platform independent?

A. Advanced programming language

B. It uses bytecode for execution

C. Class compilation

D. All of these

4. Can we keep a different name for the java class name and java file name?

A. Yes

B. No

5. What are the types of memory allocated in memory in java?

A. Heap memory

B. Stack memory

C. Both A and B

D. None of these

6. Multiline comment is created using_____.

A.//

B./ * */

C.<!-->

D.All of these

7. What is the entry point of a program in Java?

A.main() method

B.The first line of code

C.Last line of code

D.main class

8. Can we write a program without a main method in Java?

A.Yes

B.No

9. Can the main() method be overloaded in Java?

A.Yes

B.No

10. Which keyword in java is used for exception handling?

A.exep

B.excepHand

C.throw

D.All of these

11. Which class in Java is used to take input from the user?

A.Scanner

B.Input

C.Applier

D.None of these

12. Method used to take a string as input in Java?

- A.next()
- B.nextLine()
- C.Both A. and B.
- None of these

13. Which of the following is the correct syntax to create a variable in Java?

- A.var name;
- B.int name;
- C.var name int;
- D.All of these

14. Is string mutable in Java?

- A.Yes
- B.No

15. Which of these is a type of variable in Java?

- A.Instance Variable
- B.Local Variable
- C.Static Variable
- D.All of these

16. What will be the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        String str = "Hello";  
        str = "Bye";  
        System.out.println(str);  
    }  
}
```

- A.Hello
- B.Bye
- C.Error
- D.All of these

17. What is type casting in Java?

- A.It is converting type of a variable from one type to another
- B.Casting variable to the class
- C.Creating a new variable
- D.All of these

18. Which type of casting is lossy in Java?

- A. Widening typecasting
- B. Narrowing typecasting
- C. Manual typecasting
- D. All of these

19. Which of the following can be declared as final in java?

- A. Class
- B. Method
- C. Variable
- D. All of these

20. Finally block is attached to?

- A. Try-catch block
- B. Class block
- C. Method block
- D. All of these

21. The break statement in Java is used to_____.

- A. Terminates from the loop immediately
- B. Terminates from the program immediately
- C. Skips the current iteration
- D. All of these

22. What will be the output of the following Java code?

```
public class Main {  
    public static void main(String arg[]) {  
        int i;  
        for (i = 1; i <= 12; i += 2) {  
            if (i == 8) {
```

```
        System.out.println(i);  
        break;  
    }  
}  
}
```

- A.1
- B.No output
- C.8**
- D.1357911

23. Can the Java program accept input from the command line?

- A. Yes, using command-line arguments**
- B. Yes, by access command prompt
- C.No
- D.None of these

24. Array in java is_____.

- A.Collection of similar elements**
- B.Collection of elements of different types
- C.The data type of consisting of characters
- D.None of these

25. Which of these is the correct method to create an array in java?

- A.int[] arr = {1, 3, 5};**
- B.int[] arr;
- C.arr = new int[] {3, 1, 8};

D.int arr[] = {1, 4, 6};
E.All of these

26. Object in java are_____.

- A.Classes
- B.References**
- C.Iterators
- D.None of these

27. What is garbage collection in java?

- A.Method to manage memory in java**
- B.Create new garbage values
- C.Delete all values
- D.All of these

28. Static variables in java are declared as_____.

- A.final variables
- B.new variables
- C.Constants**
- D.All of these

29. BigInteger Class is used to_____.

- A.Store very long range of number
- B.Store integer values
- C.A class that stores large range of integer
- D.All of these**

30. 'this' keyword in java is_____.

- A.Used to hold the reference of the currentobject**
- B.Holds object value
- C.Used to create a new instance
- D.All of these

31. What will be the output of the following Java code?

```
import java.util.Scanner;  
class ThisKeyword {  
    private int a = 4;  
    private int b = 1;
```

```

void getSum(int a, int b) {
    this.a = a;
    this.b = b;
    System.out.println(this.a + this.b);
}
}

public class Main {
    public static void main(String args[]) {
        ThisKeyword T = new ThisKeyword();
        T.getSum(3, 5);
    }
}

```

- A.5
- B.9
- C.8

32. The 'super' keyword is used to_____.

- A. Access instance of the parent class**
- B. Access instance of the same class
- C. Access instance of child class
- D. Access instance of friend class

33. The super() method is used to_____.

- A. Call constructor of friend class
- B. Is a declared method
- C. Call constructor of the parent class**
- D. Call constructor

34. Wrapper class in java is_____.

- A. Used to encapsulate primitive data types**
- B. Declare new classes called wrapper
- C. Create a new instance of the class
- D. None of these

.

35. Boxing is_____.

- A. Creating new box
- B. Creating object
- C. Converting primitive type of object instance
- D. All of these

36. Abstract class is_____.

- A. Created using abstract keyword
- B. Contains only abstract method
- C. Needs to be inherited to be used
- D. All of these

37. What is file handling in java?

- A. It is creating, deleting, and modifying files using a java program.
- B. Creating new method
- C. Filing method to different file to extract them better
- D. All of these

38. How can we access methods for file handling in java?

- A. Java.files
- B. Java.io
- C. Java.io.File
- D. Java.FileHandling

39. Which is the correct absolute path of a file in Java?

- A. C:\Program Files\Java\jdk1.8.0_131\bin\file_name.txt
- B. C:\Program Files\Java\file_name.txt
- C. C:\Program Files\Java\jdk1.8.0_131\file_name.txt
- D. C:\Program Files\Java\jdk1.8.0_131\bin\File Handling\file_name.txt

40. Which method is used to add a new line to file in Java?

- A. file.addLine()
- B. file.nextLine()
- C. file.write()
- D. file.line()

41. Which method deletes a file in Java?

- A. `file.delete()`
- B. `file.remove()`
- C. `file.garbage()`
- D. `file.dump()`

42. Which method in java is used to read lines from

file?

- A. `file.read()`
- B. `file.nextLine()`
- C. `file.getLine()`
- D. All of these

43. The correct syntax to import the math library in java is_____.

- A. `import java.lang.math`
- B. `import math`
- C. `import java.math`
- D. All of these

44. Which is/are valid method(s) of math library in java?

- A. `max()`
- B. `cbrt()`
- C. `log10()`
- D. All of these

45. Which method in java is used to generate random numbers in Java?

- A. `random.nextInt()`
- B. `random()`
- C. `rand()`
- D. All of these

46. In java, recursion is_____.

- A.Method
- B.A process allowing methods to call itself
- C.The process to call methods
- D.None of these

47. What is stringBuffer in java?

- A.Class to create a string array
- B.Class to create a mutable string in java
- C.Class to create a string from i/o buffer
- D.All of these

48. Which of the following is a valid data structure in java?

- A.Array
- B.List
- C.Vector
- D.All of these

49. Which syntax is valid to create a vector in java?

- A.Vector < string > names = new Vector < String > ();
- B.Vector name = new string;
- C.int name = new vector ()
- D.All of these

50. What will be the output of following Java code?

```
import java.util.Scanner;
class ThisKeyword {
private int a = 4;
    private int b = 1;

    void getSum(int a, int b) {
        this.a = a;
        this.b = b;
        System.out.println(this.a + this.b);
    }
}

public class Main {
    public static void main(String args[]) {
        ThisKeyword T = new ThisKeyword();
        T.getSum(3, 5);
    }
}
```

- A.Error

B.[mango, orange, guava, mango, apple]

C.[mango, orange, guava, apple]

D.None of these

51. Which of these is true for interfaces in java?

A. The keyword interface is used to create a method

B. All the methods of an interface are abstract

C. It does not contain constructors

D. All of these

52. Encapsulation is_____.

A. Wrapping up of data and related functions into a single entity

B. Creating special methods

C. Creating special data structure

D. All of these

53. Which Java method is used to convert an object to string?

A.createString()

B.toString()

C.object.string()

D.newString()

54. What is a comparator in Java?

A.Interface to compare integer

B.Comparison method for lists

C.Interface to compare two objects in java

D.All of these

55. Which of the following methods are present in the comparator interface?

A.compare()

B.equate()

C.isEqual()

D.All of these

56. Which of the following statements is not correct for vectors in Java?

- A. It was created using vector keyword
- B. It can store an object of different classes
- C. It is asynchronous
- D. None of these

57. What will be the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        StringBuffer sb = new StringBuffer("include");  
        sb.append("help");  
        System.out.println(sb);  
    }  
}
```

- A. Error
- B. include
- C. help
- D. Includehelp

58. What is a deadlock in Java?

- State when all processes have complete working and are dead
- State when threads are in hold state forever
- State when threads are not ready
- All of these

59. Which graph is used to check for deadlock in Java?

- A. Deadlock graph
- B. Time graph
- C. Wait-for-graph
- D. None of these

60. Batch processing in java is_____.

- A. Used to execute a group of queries or a batch as executing a single query, again and again, is time taking and reduce the performance
- B. Used to processing multiple queries can be executed at once
- C. Used to increase program's performance
- D. All of these

61. Null in Java is_____.

- A. Reserved keyword
- B. Literal value
- C. Used in exception handling
- D. All of these

62. Enumeration in Java is_____.

- A. Data type which contains fixed set of constants
- B. Method
- C. Class**
- D. None of these

63. Can we pass objects to method arguments in Java?

- A. Yes**
- B. No

64. Which of the following ways is the correct way to create an object in Java?

- A. Using the new keyword
- B. Using newInstance() method**
- C. clone() method
- D. All of these

65. Which statement is correct for private member in Java?

- A. Access outside the class is allowed
- B. Any class can access
- C. Declared using private keyword
- D. All of these

66. Which keyword is used to inherit classes in Java?

- A. extends**
- B. inheritance
- C. isChild
- D. None of these

67. Which of the following inheritance of class is invalid in Java?

- A. Single
- B. Multiple**
- C. Multi-level
- D. Hierarchical

68. The 'implements' keyword is used to_____.

- A. Implement the function of a class**
- B. Inherit an interface in Java
- C. Inherit a class in java
- D. All of these

69. What is polymorphism in Java?

- A.Performing a single task in multiple ways
- B.Performing multiple tasks using multiple methods
- C.Creating a new class for each task
- D.All of these

70. What are packages in Java?

- A.Methods of a friend class
- B.Methods of the main class
- C.Way to encapsulate a group of classes, sub-packages, and interface
- D.All of these

71. Empty interface in Java is called?

- A.Marker interface
- B.Abstract class
- C.Derived class
- D.None of these

72. Which of these is a non-access modifier?

- A.public
- B.private
- C.native
- D.All of these

73. When a finally block executed in Java?

- A.Try block is executed without any exception
- B.Exception has occurred
- C.Executed at last
- D.None of these

74. What is boolean in Java?

- A. A value consisting of only true and falsevalue
- B.A value consisting of 8 values
- C.Truthy value in java
- D.All of these

75. Which of these is not a valid Boolean method in Java?

- A.equals() method
- B.hashCode() method
- C.toString() method
- D.All of these

76. Which method in Java is used to check for NaN values?

- A.isNan()
- B.checkNan()
- C.isNotNan()
- D.All of these

77. Which of these is a property of threads in Java?

- A. Multiple threads can be executed concurrently
- B. Has its own priority
- C. Both A. and B.
- D. None of these

78. Which thread is executed in the background?

- A. New thread
- B. User-created thread
- C. Daemon thread
- D. All of these

79. Multithreading in java is_____.

- A. Executing multiple processes simultaneously
- B. Creating more threads at a time
- C. Blocking threads
- D. All of these

80. What will be the output of following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println(Math.copySign(100.6, -200.6));  
    }  
}
```

- A. 100.6
- B. -100.6
- C. -200.6
- D. 200.6

81. Which method is used to convert radians to degree in Java?

- A. convertRadtoDeg()
- B. toDegrees()
- C. degree()
- D. All of these

82. Which of the following methods is used to extract the length of a string in Java?

A.length()

B.en()

C.sizeof()

D.size()

83. The trim() method in Java used to_____.

A.Remove the given character

B.Remove the values after the given index

C.Remove leading and trailing spaces

D.None of these

84. What are regexes in Java?

A.API to define a pattern for searching strings

B.String

C.Array to create a new integer

D.Wrapper class

85. What is a map in Java?

A.Data structure

B. Defined in java.util package

C.Represented using key-value pairs

All of these

86. What is a set in Java?

A.Represented in the form of values

B.Used to store key-value pairs

C.Primary structures

D.All of these

87. What will be the output of following Java code?

```
import java.util.Hashtable;
public class HashTableClass {
    int hashCode;
    HashTableClass(int hashCode) {
        this.hashCode = hashCode;
    }
    public int hashCode() {
        return hashCode;
    }
    public String toString() {
```



```

        return hashCode + " ";
    }

    public static void main(String[] args) {
        Hashtable ht = new Hashtable();
        ht.put(new HashTableClass(10), "Java");
        ht.put(new HashTableClass(3), "C");
        ht.put(new HashTableClass(4), "C++");
        ht.put(new HashTableClass(5), "Ruby");
        ht.put(new HashTableClass(6), "null");

        System.out.println(ht);
    }
}

```

- A.{10 =Java, 3 =C, 4 =C++, 6 =null, 5 =Ruby}
- B.{10 =Java, 6 =null, 5 =Ruby, 4 =C++, 3 =C}
- C.{3 =C, 4 =C++, 5 =Ruby, 6 =null, 10 =Java}
- D.None of these

88. Which of the following sorts the elements were inserted?

- A.Hashtable
- B.Map
- C.Array
- D.None of these

89. Which Java method is used to clear element of ArrayList?

- A.deleteAll()
- B.delete()
- C.clearAll()
- D.clear()

90. Which Java method is used to add all of the specified elements to the specified collection?

- A.addValue()
- B.copy()
- C.cpy()
- D.addAll()

91. Which Java method is used to detect the OS in which Java program is being run?

- A.system.getOSdetails()
- B.system.get(os.name)
- C.system.getProperties("os.name")
- D.system.getProperties("os")

92. What is the default encoding of OutputStreamWriter?

- A.UTF-32
- B.UTF-16
- C.UTF-12
- D.Based on the host platform

93. Which method in java is used to get the name of running java VM?

- A.System.getProperties("java.vm.name")
- B.System.vmName
- C.Sytem.getVmName
- D.System.getProperties("vm.name")

94. Which Java method is used to get the version of the running java VM?

- A.System.vm.version
- B.System.getProperties("vm.version")
- C.System.getProperties("java.vm.version")
- D.System.getVmVersion

95. What is the full form of AWT?

- A.Absolute window toolKit
- B.Abstract window toolKit
- C.Absolute wear kit
- D.Abstract window tools

96. Which escape character is used for word character in regex?

- A./w
- B./c
- C./str
- D./?

97. Jar in java stands for_____.

- A.Java ARchive
- B.Java application runtime
- C.Java application runner
- D.None of these

98. Which Java keyword is used to access features of a package?

A.get

B.import

C.extends

D.All of these

99. The result of dividing by 0 in Java is_____.

A.Error

B.Expectation

C.Infinite

D.None of these

100. What will be the output of following Java code?

```
public class ConcatNull {  
    public static void main(String[] args) {  
        String str1 = "include";  
        String str2 = "help";  
        System.out.println(str1 + str2);  
    }  
}
```

A.includehelp

B.include

C.help

D.None of these