

1. Explain the working of a Java Program (or) Explain WORA Architecture (or) Prove how Java Platform Independent.
2. Which Company started Java and who owns it now?
3. Name of the person who started Java.
4. Latest version of JDK and what are the latest updates.
5. Difference between JDK, JRE, JVM.
6. 5 Features of Java.
7. What is class Loader?
8. Explain a java program with respect to command line arguments.
9. What is a Class and an Object?
10. What is a Variable? Explain Data Types as well?
11. Explain different types of Blocks.
12. What do you mean by methods and different ways of writing it? Are functions and methods the same?
13. Explain the Naming Conventions/Coding Standards
14. Explain Method Overloading? Can we Overload static methods and main methods? Example for predefined overloaded methods.
15. Explain Constructors, different types of Constructors and Constructor Overloading.
16. Explain Constructor Chaining w.r.t same class and another class.
17. Explain static keyword and non static.
18. What is Inheritance?
19. Explain the different types of inheritance.

20. What are the different Access Specifiers/Modifiers?
21. What is Encapsulation?
22. Explain the Specifications of Java Bean Class.
23. Explain Local and Member/Global Variables.
24. Explain this and super keyword.
25. Why Multiple Inheritance w.r.t Classes is not possible in java?
26. Explain Method Overriding and it's rules. Can we override static methods in Java?
27. Is it possible to call C and C++ functions?
28. Difference between abstract and interface.
29. Explain Type Casting.
30. Explain Upcasting and Downcasting?
31. What is a ClassCastException and How do we avoid it?
32. What is Polymorphism? Explain different types of Polymorphism.
33. What is Abstraction?
34. What is abstract and interface?
35. Explain method binding.
36. Explain Generalization and specialization.
37. Can we have a Nested Method in Java?
38. What happens when a class implements two interfaces having the same method name?
39. Explain the final keyword.
40. Difference between final method and private method.

41. Different ways of avoiding Inheritance?
42. What are the Ways to Avoid Object Creation?
43. Why does main() take String[] as an argument?
44. Why main() is static?
45. Name a few methods in Array.
46. Difference between for and for each loop.
47. How to make data read-only.
48. Explain JVM architecture.
49. Give Examples for primitive Data Types and non primitive Data Types.
50. Difference between static and non static.
51. Explain different looping statements.
52. Explain Decision Making Statements.
53. Explain different types of Operators.
54. Explain Scanner Class and what are the methods in order to accept different types of inputs
55. What are packages and explain structure.
56. Explain static import.
57. Explain Has-A relationship or Association.
58. Explain Inner classes and Program Anonymous Inner class.
59. Difference between final, finally and finalize.
60. Explain Garbage Collection.
61. Can we Explicitly Invoke Garbage Collector?

Exceptions

62. Super most class in Exception Hierarchy and what is error and what is an exception?

63. Types of exceptions and Example for Checked and Unchecked.
64. Difference between throw and throws.
65. How to handle an exception and can we have try and catch block inside finally block?
66. How do we create Custom Exception and how to make Checked or Unchecked Custom Exception.
67. Can we write only try block without catch and finally blocks?
68. Can we have a try block without a catch block? If yes, how?
69. Can we have executable lines of code between try and catch blocks.
70. Can we have nested try and catch blocks.
71. Can exceptions occur at compile time.
72. Difference between error and exception.
73. Can we handle multiple exceptions in single catch blocks.
74. With throws can we use multiple exceptions.
75. Explain finally block.

LIBRARIES AND COLLECTIONS

76. Supermost class in java.
77. Few predefined libraries and what is java.lang package?
78. Explain String and mutable version of String.

79. Difference between StringBuffer and StringBuilder.
80. Explain toString(), hashCode() and equals().
81. Explain System.out.println().
82. What is a framework?
83. What is collection and explain collection hierarchy.
84. Diff between collection and collections.
85. Explain java equality contract.
86. Diff between ArrayList and LinkedList.
87. Diff between ArrayList and Vector.
88. Diff between List and Set.
89. Initial capacity of Arraylist and HashSet.
90. Explain autoboxing and unboxing.
91. Explain wrapper classes.
92. Explain Generics.
93. Constructors in ArrayList, LinkedList, Vector, and HashSet.
94. Diff between Iterator and ListIterator.
95. Diff between HashSet and LinkedHashSet.
96. Diff between Comparable and Comparator.
97. Diff between TreeSet and HashSet.
98. When to use Arraylist and when LinkedList?
99. Explain maps and Differences between HashMap, LinkedHashMap and TreeMap.
100. What is a thread and different ways of creating a Thread.
101. How to read and write data into a file.

Any doubts or queries wrt any of the above questions drop
a mail to the below mail id : udaypawar037@gmail.com