Top JAVA Interview Questions

1. Why String is immutable in Java ?
2. Difference between String and StringBuffer in java ?
3. Can we ovveride Static method in Java ?
4. Is string thread safe ?
5. What is String constant pool in java ?
6. How to prevent your class from being subclassed ?
7. Which two methods are overridden by an Object, intented to be used as key in Hashmap ?
8. Difference between List and Set in Java ?
9. How do you make a class immutable in java ?
10. Difference between Hashtable and Hashmap in java ?
11. How will you iterate map ?
12. What is type safety ? How to use it ?
13. Difference between Arraylist and Linkedlist in java ?
14. Difference between checked and unchecked exception in java ?
15. How to convert array to a list ?
16. Difference between Serializable and Externalizable interface in java ?
17. Explain Singleton Design Pattern ? write you class to make singleton design pattern
18. Difference between local and instance variable
19. What is serialization
20. Difference between == and .equals in java ?

21.Difference between == and .equals in java ?

22.Difference between unique key and primary key ?

23.Difference between method overriding and method overloading in java ?

24.What are types of access specifiers

25.Explain use of this keyword ?

26.Explain exception hierarchy ?

27.What is index and view in database ?

28.Difference between extending thread class and runnable interface ?

29.How can we avoid null pointer exception ?

30.OOPS concepts

31.Difference between Abstraction and encapsulation ? how you use it in your project

32.When to use abstract class and interface in java ?

33.Difference between abstract class and interface ?

34.Difference between Exception and errors ?

35.Difference between throw, throws and finally

36.What is class ?

37.What is an object ?

38.Difference between class and object ?

39.What is method overloading

40.What is method overriding

41.What is a thread

42. File handling in Java ?
43. Purpose of static method and static variable ?
44. Difference between continue and break
45. What is final keyword in java ?
46. What is JIT compiler ?
47. What is WORA concept in java ?
48. Purpose of default constructor ?
49. What is class loader in java ?
50. What is inheritance
51. What is object cloning
52. What is method overriding
53. Static binding and dynamic binding
54. What is interface
55. What is exception handling in java ?
56. Can finally block be used without catch in java ?
57. What is garbage collection?
58. Difference between Array and vector ?
59. Why dont we have destructors in Java ?
60. What is object and how it is stored in Java ?
61. Explain JDK, JRE and JVM in java ?
62. Why char array is preferred to store password than Strings ?
63. How many objects are created in JVM when a string type variable is assigned using new keyword ?

64. What is classpath in java ?
65. Is java completely object oriented ?
66. What makes java platform independent ?
67. What is dynamic polymorphism ?
68. What is multiple inheritance in java ?
69. is multiple inheritance supported in java ?
70. What is a wrapper class in java ?
71. Can a java file have more than one public class ?
72. Write a program to remove duplicates from an array ?
73. Program to reverse a string without using any api ?
74. What deisgn patterns you have used in your app ?
75. What are the tools you have used to improve the performance of your application ?
76. How you optimize the code for jdbc
77. What are the differences between C++ and Java
78. List the features of the Java Programming language
79. What is a ClassLoader
80. What are the Memory Allocations available in JavaJava
81. What are the differences between Heap and Stack Memory in Java?
82. Define Copy Constructor in Java
83. Can you implement pointers in a Java Program
84. Differentiate between instance and local variables
85. Can you call a constructor of a class inside another constructor

86. How does the size of ArrayList grow dynamically?
87. Difference between static methods, static variables, and static classes in Java
88. Why is Java, not a pure object-oriented language
89. What do you understand about an instance variable and a local variable?
90. What are Composition and Aggregation
91. What do you mean by data encapsulation
92. What is the 'IS-A ' relationship in OOPs Java
93. How is the creation of a String using new() different from that of a literal
94. Why is synchronization necessary
95. What are shallow copy and deep copy in Java
96. Write a Java Program to print Fibonacci Series using Recursion
97. Write a Java Program to find the factorial of a given number
98. Does Java work as a "pass by value" or "pass by reference" phenomenon
99. What is the difference between systems.out, System.err, and System.in?
100. What is the purpose of generics ?
101. In what situations is the "super" keyword used ?

102.How to write multiple catch statements under a single
    try block

103.What is casting ?

104.What is implicit casting ?

105.What is explicit casting ?

106.What is an enum ?

107.Can you give example of different utility methods in
    string class ?

108.In which scenario, code in finally is not executed ?

109.How do you create custom exception ?

110.Is try without catch is allowed ?