

AKHLAQUE AHMAD KHAN

CORPORATE

JAVA

TRAINER

***Q1) Why is Java known as the Platform Independent Programming Language?***

***Q2) Name the Data Types that are supported by Java?***

- Q3) Throw some light on the main features of Java.**
- Q4) Define Autoboxing and Unboxing?**
- Q5) What is Overloading and Overriding in Java?**
- Q6) How do you differentiate a HashSet class and a TreeSet class?**
- Q7) What is a List? What is the difference between an ArrayList and a LinkedList?**
- Q8) Define JVM, JDK and JRE?**
- Q9) Define the Java's WORA nature?**
- Q10) How do you differentiate between StringBuffer & StringBuilder?**
- Q11) What is the case when you override hashCode() and equals() ? What problem can occur if we don't override hashCode() method?**
- Q12) What are immutable classes?**
- Q13) Mention the access specifiers used in Java?**
- Q14) What is Singleton in Java?**
- Q15) Will all the Try blocks in Java end with Catch Blocks?**
- Q16) What is the Final Keyword in Java?**
- Q17) Is it possible to declare a class as Abstract without using any abstract method?**
- Q18) Any five differences between an Abstract Class and Interface in Java?**
- Q19) Define Serialization? When should we make use of serialization?**
- Q20) Explain multi-threading and the ways of implementing multi-threading in Java?**
- Q21) What is Collection and a Collections Framework?**

**Q22) What do you mean by BlockingQueue in Java Collections Framework?**

**Q23) What is the difference between ArrayList and Vector?**

**Q24) Define Constructor and Constructor Overloading in Java.**

**Q25) What are the differences between Enumeration and Iterator?**

**Q26) Why break is used in Switch Statement's each case?**

**Q27) Name the different states of a thread.**

**Q28) Is it true that a java program never goes out of memory because of garbage collection feature?**

**Q29) How can you define Object Cloning in Java?**

**Q30) Is throw and throws keyword can be used interchangeably? If no, what is the difference between the two?**

**Q31) What is the difference between JDK, JRE, and JVM?**

**Q32) What is the difference between an Inner Class and a Sub-Class?**

**Q33) What is Final Keyword in Java? Give an example.**

**Q34) What's the base class in Java from which all classes are derived?**

**Q36) What is a platform?**

**Q37) What is classloader?**

**Q38) What is the static method?**

**Q39) Can a class have multiple constructors?**

**Q40) What's the difference between an array and Vector?**

**Q41) What are the two ways of implementing multi-threading in Java?**

**Q42) How can we execute any code even before the main method?**

- Q43. What's the benefit of using inheritance a key?**
- Q44. What's the difference between Stack and Queue?**
- Q45. Which types of exceptions are caught at compile time?**
- Q46. Is String a data type in java?**
- Q47. List any five features of Java?**
- Q49. What's the difference between an array and Vector?**
- Q50. Why Java is considered dynamic?**
- Q51. Define class?**
- Q52. How would you call wait() method? Would you use if block or loop, and why?**
- Q53. How do you take thread dump in Java?**
- Q54. What is the difference between sleep and wait in Java?**
- Q55. Is ++ operator thread-safe in Java?**
- Q56. What is constructor chaining in Java?**
- Q57. Explain Java Heap Space and Garbage collection.**
- Q58. What is the difference between final, finalize and finally?**
- Q59. What is the difference between poll() and remove() method?**
- Q60. What kind of variables can a class consist of?**
- Q61. What is Singleton class?**
- Q62. List the three steps for creating an Object for a class?**
- Q63. When a byte datatype is used?**
- Q64. What do you mean by Access Modifier?**
- Q65. When parseInt() method can be used?**
- Q66. Why is StringBuffer called mutable?**
- Q67. What is an Exception?**

**Q68. When throw keyword is used?**

**Q69. When a super keyword is used?**

**Q70. Why Runnable Interface is used in Java?**

**Q71. What's the purpose of using Break in each case of Switch Statement?**

**Q72. How we can execute any code even before main method?**

**Q73. Can we have two methods in a class with the same name?**

**Q74. How can we make the copy of a Java object?**

**Q75. Which types of exceptions are caught at compile time?**

**Q76. Can we use a default constructor of a class even if an explicit constructor is defined?**

**Q77. Can we override a method by using same method name and arguments but different return types?**

**Q78. What is an applet?**

**Q79. What is Comparable Interface?**

**Q80. Why IS Java application platform independent?**

**Q81. What are the actions present in the JVM?**

**Q82. What is the current version of JDK?**

**Q83. Java is fully OOPS language or not?**

**Q84. What is Wrapper class?**

**Q85. What is an Immutable class?**

**Q86. What is Array?**

**Q87. What is String?Difference between StringBuilder and StrinngBuffer?**

**Q88. What is Function?**

**Q89. What is Class?**

**Q90. What is Object?**

**Q91. What is Polymorphism?**

**Q92. What is Function Overloading?**

**Q93. What is Function Overriding?**

**Q94. Why used super and this keyword in java?**

**Q95. What is inheritance?**

**Q96. Describe the types of Inheritance?**

**Q97. What is scope? Describe the types of scope?**

**Q98. Types of Access Specifiers?**

**Q99. What is Encapsulation?**

**Q100. What is Abstraction?**

**Q101. What is Multitasking? How to achieve multitasking?**

**Q102. What is Thread?**

**Q103. what is Multithreading?**

**Q104. Difference between Multithreading and Multiprocessing?**

**Q105. What is Interface?**

**Q106. Difference between Interface and Abstraction?**

**Q107. What is Serialization?**

**Q108. What is DeSerialization?**

**Q109. What is Exception? types of Exception?**

**Q110. Explain Exception Handling methods?**

Best of luck...👍