



Tauseef Fayyaz • 1st

I help you master coding & software engineering in the simplest way | Full-Stack Engineer ...
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Master these *frequently asked java questions* before your next interview 📖

- ◆ What's the difference between JDK, JRE, and JVM?
- ◆ Why is Java considered platform-independent?
- ◆ Difference between an abstract class and an interface?
- ◆ What's the role of final, finally, and finalize in Java?
- ◆ Stack vs. heap memory, what's the difference?
- ◆ Method overloading vs. method overriding?
- ◆ Difference between private and protected access modifiers?
- ◆ What's constructor overloading in Java?
- ◆ Purpose of the super keyword in Java?
- ◆ What's the purpose of static blocks in Java?
- ◆ What is the use of the this keyword in constructors?
- ◆ What are the Object-Oriented features supported by Java?
- ◆ Access specifiers in Java, what are the differences?
- ◆ Difference between composition and inheritance?
- ◆ What is the purpose of an abstract class?
- ◆ Difference between a constructor and a method in Java?
- ◆ Explain the diamond problem in Java and its solution.
- ◆ Local vs. instance variables, what's the difference?
- ◆ What is a Marker interface in Java?
- ◆ How does Java achieve polymorphism?
- ◆ Explain encapsulation with a real-life example.
- ◆ Why are Strings immutable in Java?
- ◆ Difference between creating Strings using new() vs. literals?
- ◆ What is the Collections framework?
- ◆ ArrayList vs. LinkedList, key differences?
- ◆ HashMap vs. TreeMap, when to use each?
- ◆ HashSet vs. TreeSet, what's the difference?

- ◆ Iterator vs. ListIterator, how do they differ?
- ◆ What's the role of the Comparable interface?
- ◆ What's the difference between Collections and Collection?
- ◆ Why use the java.util.concurrent package?
- ◆ What is an exception in Java?
- ◆ How does exception propagation work?
- ◆ Checked vs. unchecked exceptions, what's the difference?
- ◆ Purpose of a try-catch block in Java?
- ◆ Difference between throw and throws?
- ◆ Why use a finally block?
- ◆ What's the base class of all exception classes?
- ◆ How is a custom exception created in Java?
- ◆ What happens if an exception is not caught?
- ◆ How do you rethrow exceptions in Java?
- ◆ What is a thread, and what are the stages of its lifecycle?
- ◆ Difference between a process and a thread?
- ◆ Types of thread priorities in Java?
- ◆ What is context switching in threads?
- ◆ User threads vs. daemon threads, how do they differ?
- ◆ Purpose of synchronization in Java?
- ◆ What is a deadlock? How can it be avoided?
- ◆ Use of wait() and notify() methods in threads?
- ◆ Synchronized vs. volatile in Java?
- ◆ Difference between notify() and notifyAll()?

Did I miss something? tell me in comments.

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