

Saturday, 12 August 2023

## Java Interview Question

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### Basic Java Interview Questions

- How is a Java Program executed?
- What is the difference between JDK, JVM, JRE?
- Is Java a platform independent language
- What do you mean by main () method? Or what does main stands for? Or What is the use of main method in Java? Can you overload the main method
- What are the different types of memory used in Java Or What types of objects are stored in which memory location
- What are the different ways to create object?
- What is Abstraction, How is abstraction implemented in Java? What is the difference between abstract class and an interface?
- Internal Working of HashMap, HashSet?
- What is the use of super keyword?
- What is the difference between super() and super?
- What is the use of this keyword?
- What is the difference between this() and this?
- Does Java supports multiple inheritance? If not why? If Yes, Why and How?
- What is the difference between shallow copy and deep copy?
- What is comparable and comparator?
- What do you mean by Serialisation?
- What is functional Interface?
- Difference between final, finally & finalise
- Difference between checked and unchecked exception?
- Difference between Exception and Error?
- Inheritance and Exception Handling

- Throw Vs Throws
- What is Overloading and how is it different from Overriding?
- What is a String constant Pool?
- String V's StringBuffer V's String Builder?
- Why are Strings Immutable?
- Is String a primitive data type? Comment and discuss
- Which collections are Thread Safe?
- hashCode and Equals, What is the difference between them and the contract?
- Different ways to create an array

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## Intermediate Java Interview Questions

- What is a singleton class, why we need singleton class? How can you make a class as Singleton
- How is a static block different from static methods?
- What could be the use case of using a variable as static
- What are threads, how do threads work
- Thread Lifecycle
- Different types of Thread
- Keyword
  - Transient Keyword
  - Volatile
- Why do Java arrays start with zero
- Different ways to create an object
- How can you make a class as immutable
- How can you stop the finally to be executed
- What is synchronized

# Spring Boot Interview Question

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## Spring Boot Interview Questions

- What is the difference between Spring and spring boot
- What are the tasks executed by @Springboot Application
- What is Autowiring and what are the different ways to Autowire
- What is DI, How is DI used in Spring? (Use Case)
- What are the components available in Spring boot?
- What are the annotation in Spring boot and their use cases?
- What is IOC,
- What is AOP? (Use Case) -> Graffana and Prothemenus
- What is a bean, Lifecycle of a bean?
- What is a scope of bean, default scope of a bean
- Draw out an architecture diagram of your current project? (Use Case)
- What are different configurations available on Spring boot and their use cases?
- What do you mean by Profile in SB?

## Other Interview Question

- Maven, What is Maven, What is POM.xml
  - What is a Stored Procedure?
  - How would you call a Stored Procedure?
  - Find the nth highest salary from table
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