

Java Interview Questions

- Difference between C++ and Java
- Difference between JDK, JVM and JRE
- What is data type in java and its types?
- What is variable?
- What are different operators?
- What are Keywords?
- What are control statements?
 - Conditional statements(if, if-else, switch)
 - Loop statements (for, while, do-while)
 - Jump statements (break, continue)

OOP(Most IMP)

- What is Class?
- What is an Object?
- What is IS-A Inheritance?
 - Single level
 - Multi level
 - Hierarchical
 - Multiple (Not possible in java, Need to implement using Interface) IMP
 - Hybrid
- What is HAS-A inheritance?(Aggregation)
- What is Polymorphism and its types?
- Difference between method overloading and method overriding
- What is Runtime polymorphism and Compile time polymorphism?
- What is Dynamic binding?
- What is **super**, **this**, **static**, **final** and **instanceOf** keyword?
- What are wrapper classes?
- What is Object class?
- What is Encapsulation?
- What are packages and subpackages in java?
- What are Access modifiers in java?
 - public
 - private

- default
- Protected
- What is Abstraction?
- In how many ways abstraction can be achieved?
- Difference between interface and abstract class
- Implement Multiple inheritance using interface

Arrays/Strings

- What is an array? And its types (1D and 2D)
- What is String?
 - Why are strings immutable?
 - What is String constant pool?
 - What are different methods of string?
- What is StringBuffer?
- What is StringBuilder?
- What is the difference between StringBuffer and StringBuilder?
- What is the StringTokenizer class?

Exception Handling

- What is Exception handling?
- How will you handle exceptions?
- Difference between Compile time exception(Checked exception) and Runtime exception(Unchecked Exception)
- Difference between throw and throws keyword?
- Difference between final, finally and finalize()

Multithreading

- What is Multithreading?
- In how many ways multithreading can be implement?
- Difference between multithreading and multitasking
- Difference between yield(), sleep() and join() methods

JDBC

- Steps to implement JDBC
- What is Statement?
- What is PreparedStatement?
- What is ResultSet?

Collection framework

- Difference between Collections and Collection
- Difference between Array and ArrayList
- What are different collections available in java
 - List (ArrayList, LinkedList, Stack etc.)
 - Queue (LinkedList, PriorityQueue etc.)
 - Set (HashSet, TreeSet etc.)
 - Map (HashMap etc.)

Regular expressions(Just go through once)

Java 8 features

- What is Date and Time API?
- What is Functional interface?
- What is Lambda expression?
- What is Stream API (filter(), map() and reduce() functions)
- Static and default methods in interface
- What is marker interface (Serializable, clonable)

Spring Core

- What is Maven Project and Maven Repository?
- What is Spring framework?
- Difference between Spring, Spring MVC and Spring Boot
- Need of Spring framework
- What is dependency?
- What is dependency injection?

- What is Tight coupling?
- What is Bean?
- Life Cycle of bean (@PostConstruct, @PreDestroy)
- What is IOC Container?
- Types of IOC Container
- Different ways to inject dependency (Setter injection, Constructor injection, Proxy object)
- Different ways of Autowiring (BY_NAME, BY_TYPE)
- What are Scopes in spring framework(Singleton, Prototype)?
- Use of @Value and @PropertySource?

Spring BOOT

- What is MVC Pattern?(Model, View and Controller)
- What is REST API?
- What is DispatcherServlet?
- What is @Controller?
- What is @Service ?
- What is @Configuration?
- What is @Repository?
- What is ORM?
- What is JPA?
- Why do we use application.properties?
- Procedure to create REST APIs using Spring boot
- How will you test the REST API? (Using Postman)