Java Interview Questions

- What is Java?
- What is JVM and is it platform independent?
- What is the difference between JDK and JVM?
- What is the difference between JVM and JRE?
- What is the importance of main method in Java?
- Can we overload main method?
- What are access modifiers?
- What are the differences between C++ and Java?
- List the features of Java Programming language.
- What is the difference between JDK, JRE, and JVM?
- What is an Object?
- What is JIT compiler?
- How many types of memory areas are allocated by JVM?
- How many types of constructors are used in Java?
- Is constructor inherited?
- Can we overload the constructors?
- What are the differences between the constructors and methods?
- What is javac ?
- What is the base class of all classes?
- What is a wrapper class in Java?
- What is an Array?
- Can we override a static method?
- Does Java support operator overloading?
- What is an abstract class in Java?
- Can we mark constructors final?

- Outline the major Java features.

- Compare Overloading and Overriding.

- Explain method overloading.

- Define Inheritance.

- What is static and dynamic binding in Java?

- Can we mark constructors final?

- Can a constructor call another constructor?

- Can this keyword be assigned null value?

- Explain ways to pass the arguments in Java?

- What is static block?

- Explain super keyword in Java?

- What are Packages in Java?

- Garbage collection in java?

- What is the difference between Error and Exception?

- Can static block throw exception?

- When a finally block does not get executed?

- What is a Java Bean?

- Can we handle more than one exception in a single catch block?

- Can we have a try block without catch or finally block?

- What is throws keyword?

- Difference between throw and throws in Java

- What are the types of exceptions?

- A string class is immutable or mutable?

- What is toString() method in Java?

- Difference between StringBuffer and StringBuilder class?

- What is finalize() method?

- Can we Overload or Override static methods in java ?

- Why the main method is static in java?

- What is the scope of variables in Java in following cases?

- What is object cloning?

- How is inheritance in C++ different from Java?

- Can we override private methods in Java?

- How are Java objects stored in memory?

- What is an infinite Loop? How infinite loop is declared?

- What do you understand by Java?

- Differentiate between StringBuffer and StringBuilder in Java programming.

- Differentiate between Iterator and Enumeration?

- Difference between Array list And Vector.

- Can we execute any code, even before the main method? Explain?

- How can we restrict inheritance for a class?

- Java doesn't support multiple inheritance. Why?

- Are constructors inherited? Can a subclass call the parent's class constructor?

- Name the methods of Object Class?

- Define Abstract class?

- Java doesn't use pointers. Why?

- Distinguish between static loading and dynamic class loading?

- How can we find the actual size of an object on the heap?

- What's the base class of all exception classes?

- Mention the uses of Synchronized block

- What are the differences between the JSP custom tags & Java beans?

- Explain Expression Language in JSP?

- Define a cookie and what are the difference between session and cookie?

- What is data encapsulation and what's its significance?

- What is the difference between continue and break statement?

- What is Final Keyword in Java? Give an example.

- . What is the difference between double and float variables in Java?

- How can you generate random numbers in Java?

- What is different between web server and application server?

- What is MIME Type?

- What is a web application and what is it's directory structure?

- What is the difference between GET and POST method?

- What is a servlet?

- What are the advantages of Servlet over CGI?

- What are common tasks performed by Servlet Container?

- What is ServletConfig object?

- What is ServletContext object?

- What is difference between ServletConfig and ServletContext?

- What is Request Dispatcher?

- What is difference between PrintWriter and ServletOutputStream?

- Can we get PrintWriter and ServletOutputStream both in a servlet?

- How can we create deadlock situation in servlet?

- What is the use of servlet wrapper classes?

- What is SingleThreadModel interface?

- Do we need to override service() method?

- Is it good idea to create servlet constructor?

- What is difference between GenericServlet and HttpServlet?

- What is the life-cycle of a servlet?

- How many objects of a servlet is created?

- What are the life-cycle methods for a servlet?

- Who is responsible to create the object of servlet?

- When servlet object is created?

- What is difference between Get and Post method?

- What is servlet collaboration?

- What is the purpose of RequestDispatcher Interface?

- Can you call a jsp from the servlet?

- Difference between forward() method and sendRedirect() method ?

- What is filter?

- What is difference between Cookies and HttpSession?

- What is Session Tracking?

- What is Exception in Java?

- What are the Exception Handling Keywords in Java?

- Explain Java Exception Hierarchy?

- What are important methods of Java Exception Class?

- How to write custom exception in Java?

- What are different scenarios causing "Exception in thread main"?

- What happens when exception is thrown by main method?

- Can we have an empty catch block?

- What is JSP and why do we need it?

- What are the JSP lifecycle phases?

- What are JSP lifecycle methods?

- Which JSP lifecycle methods can be overridden?

- How can we avoid direct access of JSP pages from client browser?

- What are different types of comments in JSP?

- What are JSP implicit objects?

- What are the benefits of PageContext implicit object?

- List out some advantages of using JSP.

- What is the difference between hide comment and output comment?

- What is the difference between include directive and include action?

- Is JSP technology extensible?

- How can we handle the exceptions in JSP?

- How can we forward the request from JSP page to the servlet?

- How does a servlet differ from the JSP?

- What is a JSP Custom Tag and what are the components does it have?

- When should you use the JSP Custom Tag?

- What are the different JSP scripting elements?

- What do you understand of the JSP directives?

- What do you understand of the page directive?

- Explain the different attributes of a page directive?

- What are the types of JSTL tags?

- What is JSP Standard Tag Library, provide some example usage?

- Give an example where you need JSP Custom Tag?

- How to ignore the EL expression evaluation in a JSP?

- Can we use JavaScript with JSP Pages?

- How can we prevent implicit session creation in JSP?

- What is difference between JspWriter and Servlet PrintWriter?

- How to include static files in a JSP page?

- Differentiate between response.sendRedirect(url) and <jsp:forward page = …> .

- Can constructor be used instead of init(), to initialize servlet?

- What is Translation Phase?

- Why is it not a good practice to create HttpSessions in JSPs by default?

- What are the standard actions available in JSP?

- What are the components of J2EE applications?

- What is a J2EE container?

- What are defined as web components?

- What is Applet?

- What is Classpath?

- Define JSF?

- Is that Servlet is pure java object or not?

- What Is Abstract Window Toolkit (awt)?

- What is your strongest programming language (Java, ASP, C, C++, VB, HTML, C#, etc.)?

- What is friend function?

- What is command line argument?