* What is Java and how does it differ from other programming languages?
* What are the main features of Java?
* What is the difference between JDK, JRE, and JVM?
* What are primitive data types in Java?
* How is memory managed in Java?
* What is garbage collection in Java and how does it work?
* What are the different types of memory areas allocated by JVM?
* What is the difference between static and instance variables in Java?
* What is the purpose of the final keyword in Java?
* How does Java achieve platform independence?
* What is method overloading in Java?
* What is method overriding in Java?
* What is the difference between an interface and an abstract class in Java?
* What is the significance of the super keyword in Java?
* What are the different types of constructors in Java?
* What is a copy constructor in Java?
* How do you implement multiple inheritance in Java?
* What are Java access modifiers and how do they work?
* What is the difference between == and equals() in Java?
* What is the purpose of the instanceof operator in Java?
* What are wrapper classes in Java?
* What is the difference between checked and unchecked exceptions in Java?
* How does exception handling work in Java?
* What is a try-with-resources statement in Java?
* What is the difference between ArrayList and LinkedList in Java?
* What is a HashMap in Java and how does it work?
* What is the difference between HashSet and TreeSet in Java?
* What are streams in Java?
* How do you create a thread in Java?
* What is the difference between Runnable and Thread in Java?
* What are Java lambda expressions?
* What is functional programming in Java?
* What is the use of the synchronized keyword in Java?
* What are the different types of design patterns in Java?
* What is dependency injection in Java?
* What is reflection in Java?
* How do you create an immutable class in Java?
* What is the difference between deep copy and shallow copy in Java?
* What is serialization in Java?
* What is the purpose of the volatile keyword in Java?
* What are the different types of classloaders in Java?
* What is JDBC in Java?
* How does Java handle database connectivity?
* What is Spring Framework in Java?
* What are microservices in Java?
* How does garbage collection impact performance in Java?
* What are default and static methods in interfaces in Java?
* What is the difference between String, StringBuilder, and StringBuffer in Java?
* What are annotations in Java?
* What is the purpose of the transient keyword in Java?