

Java Interview Questions

****Object-Oriented Programming Concepts (OOP)****

Basic Concepts:

- 1. What are the four pillars of Object-Oriented Programming (OOP)?**
- 2. Explain the difference between class and object.**
- 3. What is inheritance in Java? Can you provide an example?**
- 4. What is polymorphism in Java? Explain with examples.**
- 5. What is the difference between method overloading and method overriding?**
- 6. Explain the concept of abstraction in Java. How is it achieved in Java?**
- 7. What is encapsulation? Can you give an example?**
- 8. What is the difference between final, finally, and finalize in Java?**
- 9. How do you define a constructor in Java? What are the types of constructors?**
- 10. What is the use of the super keyword in Java?**

Advanced OOPS:

- 11. What is the purpose of the instanceof operator in Java?**

12. What is the difference between shallow copy and deep copy of objects in Java?

13. Explain the Object class in Java and its methods.

14. What are the access modifiers in Java and their scopes?

15. What is method chaining in Java? How is it implemented?

16. What is the difference between static and instance methods in Java?

17. What is a singleton class? How do you implement it in Java?

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