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## Data Structure Interview Questions

**Top Data Structure Interview Questions and Answers. Can you answers All**

Q1. [What is meant by Object Oriented Programming – OOP?](#)

Q2. [What is meant by Structural Programming?](#)

Q3. [What is meant by Class?](#)

Q4. [What is meant by Object?](#)

Q5. [What is meant by Method?](#)

Q6. [What is meant by Attribute?](#)

Q7. [What is meant by Data Hiding/Encapsulation?](#)

Q8. [What is meant by Inheritance?](#)

**Inheritance** is the ability of a class to inherit the characteristics and properties of another class. This is one of the most significant features of the object-oriented programming language. There are mainly three modes of inheritance public, protected and private and two types of classes: subclass(the one which inherits) and the base or the superclass(from which inheritance is done). And there are five ways in which inheritance can be done.

Q9. [What is meant by Polymorphism?](#)

**Polymorphism** in object-oriented programming is the capability by which an object is able to take on numerous different forms. Polymorphism is used mainly when a reference to a child class object is made by a parent class. In Java, each and every object can be polymorphic since they can all pass the IS-A test easily. This is because an object is said to be polymorphic when it can successfully pass the IS-A test.

- Q10. What is meant by Final Class?**
- Q11. What is meant by Abstract Class?**
- Q12. What is meant by Interface?**
- Q13. What is meant by Design Patterns – DP?**
- Q14. What is meant by Data Structures – DS?**
- Q15. What is meant by main method?**
- Q16. What is the difference between class & structure?**
- Q17. What is the difference between class & object?**
- Q18. What is the difference between super class & sub class?**
- Q19. What is the difference between interface & abstract class?**
- Q20. Give few difference between constructor and method?**
- Q21. What is the difference between stored procedure & function?**
- Q22. What is the difference between overriding & overloading?**

When there are different methods in one class that have the same name but distinct parameters, overloading takes place. What happens at the time of overriding is that the methods have the same name as well as the same parameters. But one method here will belong to the parent class the other will belong to the child class. Also, these two are different types of concept as well, where overriding is the run-time type and the overloading is the compile-time type.

- Q23. What is the difference between Conversation & Casting?**

**Q24. What is the difference between private & public & friendly classes?**

**Q25. What is the difference between form & report?**

**Q26. What is the difference between normal report & matrix report?**

**Q27. What is the difference between variable & constant?**

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