Core Java Interview Questions :

Basic Questions

1) What is Method Overloading? Explain with an example.
2) What is Method Overriding? Explain with an example.
3) What is Inheritance? Explain with an example.
4) Explain types of inheritance? Explain with class diagram?
5) What are Constructors? Why do we need Constructors?
6) What are the differences between this() calling and super() calling?
7) What is Encapsulation? Explain with an example.
8) What is Polymorphism? Explain with an example.
9) What is Type Casting? Explain about Object Casting with an example.
10) What are Arrays? Explain with an example.
11) What are the differences between Arrays and Collection?
12) What is Collection? What are the differences between Arrays and Collection?.
13) Why main() method is marked as public and static?
14) What is class and object?
15) What is constructor Overloading and use of it?
16) What is constructor chaining and Why do we go for it?
17) What is abstract ? Explain ? Use of abstract?
18) What is Interface ? Advantage of Interface ?
19) Difference between Abstract and Interface ?
20) Difference Between static and nonstatic?
21) Explain Access Specifier ?
22) Explain Object class and its method , What is practical use of these methods ?
23) Explain String class . Explanation should be about properties of String class. Not about methods ?
24) Explain Comparable and Comparator?
25) Difference between List Queue Set?
26) Difference between ArrayList and LinkedList?
27) Difference between ArrayList and Vector?
28) Explain fundamental idea behind "How Collection Works"?
29) Explain Multiple Inhertience?
30) Why do we go for Generics?
31) What is Exception ?
32) Different types of Exception?
33) How to handle Exception?
34) Keywords used in Exception?

Core Java Interview Questions :

Tricky Questions :

1)Can we define abstract class without abstract method?

2)Will Abstract class have Constructors? If so, why does an abstract class have Constructor?

1) Can we declare an abstract method as static?

3) Can we override the methods of String class?

4) Why do you think there are 2 ways to create a String Objects in Java?

5) Is it possible to declare abstract method as private?

6) Why we need to initialize variables in an interface at the time of declaration?

13) For addition and deletion. Which one is most preferred: ArrayList or LinkedList?

14) What is the first statement in a default Constructor?

15) Can we define a method with same name of class?

16) If we place return type in constructor prototype will it leads to Error?

17) Why main() method must be static?

18) Can We Declare main() Method As Non-Static?

19) Can main() method take an argument other than string array?

20)Why multiple Inheritance in Java is not possible through classes? What are the problems? How it has been overcome in Interface?. Explain

21) Can we overload main() method?

24) What is the purpose of toString() method in java ?

27) What if I write static public void instead of public static void?

28) What is this in java? [Students need to explain both this() calling and this keyword]

29) Can you use this() and super() both in a constructor?

30) Can you use this() and super() to call non-static methods?

31) Explain all the OOPS characteristics with real time examples.

32) What is the difference between static binding and dynamic binding?

34) Can you declare an interface method static?

37) What is the meaning of immutable in terms of String?

38) Differences between Arrays and Collections.

39) What is difference between ArrayList and LinkedList?

40) What is difference between List and Set?

41) What is Boxing?

42) Explain UpCasting and Downcasting with one real time example in Java.

43) How to store heterogeneous elements in Arrays?

44) How do you make Collections to behave as homogeneous?

45) Can we create private Constructors in Java?

47) What are the differences between List and Set type of Collection?

49) Can we override main() method?

50) Can we compile an empty class without any members and functions in Java?