**Difference between super and this keyword ?**

This key refers to local variable and Super key refers to the parent class variable

**[Varun]This refers to the current class objects and super refers to the parent class.**

**What is constructor ? How many types of constructors are there in java ?**

/If The method name and the class name are same then that class can be called as a construcot.

**Constructor is a block of code that is executed when we create the object.**

There are 2 types of constructors iin java

**Default constructor.**

**public className(){**

**…………………**

**…………………**

**}**

**Parametrized constructor.**

**pubic className(int a, Boolean b,Double d, Employee e, int[] array){**

**…………..**

**………….**

**}**

Default and predefined constructors

Default construcors are the constructors with no parameters or zero parameters

Predefined constructors are the parameterized constructors

**Types of wrapper classes ?**

Long

float

double

boolean

**[varun] byte, short, int, Long, double, float, char, Boolean**

**Check Hirarchy:**

[Wrapper Class in Java - Learn Autoboxing & Unboxing with Coding Examples - TechVidvan](https://techvidvan.com/tutorials/java-wrapper-class/)

**What are OOPS concepts ?**

Abstraction, Encaptsulation, Inheritance and Polymorphism

**What is polymorphism ? How can you achieve it ?**

Abiblity to do a task in many ways.

**What is Abstraction ? How can you achieve it ?**

Hiding the implementation part and showing the functionalities details

**What is Inheritance ? How can you achieve it ?**

aquringing the properties of parent class to child class

**What is Encapsulation ? How can you achieve it ?**

Wrapping up the methods and data in the methods

**What are the types of Polymorphism ?**

**[varun]Then what about runtime polymorphism and compile time polymorphism**

2 types

Overloading

Overriding

**What is overloading ?**

declaring the different methods with same name with different parameters

**What is overriding ?**

Process if extending the parent class methods

When the parent class method’s data does not sufficient for the child class then it can derive the same methode again in sub class which is called overriding.

**Difference between abstract class and interface ?**

Abstract class contains both abstract and non abstract methods but in interface contains only abstract methods

**[varun – important Difference]Abstract class cannot extend two classes, but interface can extend multiple interfaces.**

**Next:**

Solid principals ?

Why interface ?

Why interface is used over abstract class ?

What is static and instance blocks ?

Why static methods ?

Why public static void main(String[] args)?

**SQL:**

Find first highest salary?

Find second highest salary ?

Difference between primary key and unique key ?

Sql commands for create, insert, update, order by, group by

How many types of joins are there ?

Difference between inner join and outer join ?

1)

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2)

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3)

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4)

Bubble sort, insertion sor, selection sort

Tell me about your project ?

Tell me about yourself?