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Lecture - 21

Constructor

List of Concepts Involved:

- Constructor
- Default Constructor
- Usage of Constructor
- Constructor Chaining
- Usage of this() and super()

Topics covered Yesterday's Session:

- Static keyword

Constructor

- Object creation is not enough, compulsorily we should perform initialization then only the object is in a position to provide the response properly.
- Whenever we are creating an object some piece of the code will be executed automatically to perform initialization of an object. This piece of code is nothing but a constructor.
- Main objective of the constructor is nothing but initialisation of Object.

Default Constructor

- For every java class constructor concept is applicable.
- If we don't write any constructor, then the compiler will generate a default constructor.
- If we write at least one constructor then the compiler won't generate any default constructor, so we say every java class will have a compiler generated default constructor or programmer written constructor but not both simultaneously.

Constructor Overloading/Constructor Chaining

- A class can contain more than one constructor and all these constructors have the same name they differ only in the type of argument, hence these constructors are considered as "Overloaded constructor".

super() vs this()

1. The first line inside the constructor can be super()/ this().
2. If we are not writing anything then compiler will generate super().

Difference b/w super(),this()?

super(),this()

- These are constructor calls
- These are used to invoke super class and current class constructor directly
- We should use only inside the constructor that to first line otherwise we get compile time error.

Next Lecture

- Inheritance

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THANK YOU