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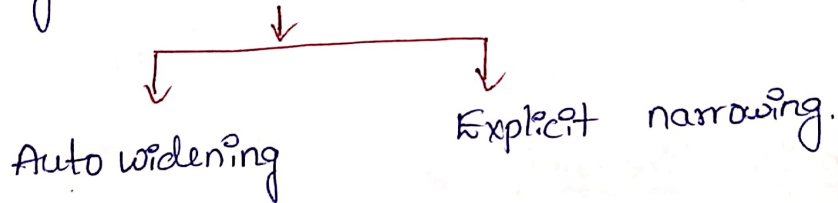
\* Full Stack Development \*

\* JAVA \*

# JAVA - Programming Language

## Part - 1

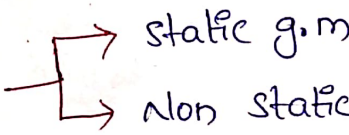
- 1) Features of JAVA.
- 2) Structure of program takes elements
- 3) Data types variables and their classifications
- 4) Type Casting → Primitive T.C



→ Non primitive T.C.

- 5) Operators → Arithmetic, Relational, Logical Assignment increment, Decrement Ternary and Bitwise operators.
- 6) Conditional statements → If, If else, else if ladder, Switch statements.
- 7) Looping → while, do while, for, for each (Advanced for loop)
- 8) methods, Compile type binding, method overloading recursion.

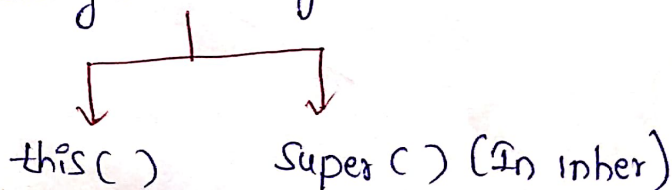
## Part - 2

- 1) Global members 

2) class & Object

3) Constructors, its type with examples.

4) Constructor overloading, chaining.



5) Encapsulation

6) Relationship

- Has a - Relationship / Competition.
- Is a - Relationship / Inheritance & It's types

7) Packages and access specifiers (usage of eclipse).

8) Polymorphism → method overriding.

9) Abstraction → Real Time example.

### Part - 3

#### \* Inbuilt libraries \*

Object

Arrays

Strings

System

Scanner

Exceptions

Wrapper classes

Collection frameworks → 

- Collection hierarchy
- Map hierarchy.

Multithreading.