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CORE JAVA & PROJECT

COURSE CONTENTS

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Introduction To JAVA

- What Is Java
- Features Of Java
- Java History
- Jdk Installations
- Simple Java Program (100%)
- All Block
- Default Constructor ,Static Block , Non Static
- Method And Main Method
- Local And Global Variable
- Package And Import Keyword In Java
- Difference Between Jdk , Jvm , Jre
- Javap , Javac *.Java,Javaw ,Javaws
- Installation Of IDE
- IDE – (Integrated Development Environment)
- Eclipse , IntelliJ,Netbeans
- Data Types
- Return Type
- Logical Program On Return Type
- Mini Project On Return Type
- Project :-
 - 1. Project Based On Return Type.
 - 2. Project Based On Return Type.
- Parameterized Method
- Eclipse Shortcut
- Project :-
 - 1. Project Based On Parameterized Method.
- Object Class In Java
- Setter And Getter File In Java
- ToString() Method In Java
- Static Block And Non Static Block

Object Oriented Programming (OOPS)

- OOPS Concept
- Inheritance In Java
- Method Overriding
- Java Type Casting
- Covariant Return Type(Jdk 1.5)
- Access Modifiers
- Final Keyword
- Static Keyword
- Super And This Keyword
- Polymorphism In Java
- Method Overloading
- Narrowing Concept
- Method Overriding
- Abstraction In Java
- Abstract Class
- Interface
- Interface And Abstract Class
- Encapsulation
- Project :-
 - 1. CalCalculator Project
 - 2. Project Based On OOPS Concept.
- Aggregation/Composition In Java (HAS-A Reln)
- Project :-
 - 1. Project Based On Aggregation/Composition

Serialization

- Serialization And Deserialization In Java

Array

- Array In Java

- Project :-
 - 1. Project Based On Array.

String

- String Class In Java
- Project :-
 - 1. Validation Project Based On String.
- String Class Compare
- String Buffer And StringBuilder

Exception Handling

- Exception Handling
- Try Catch Block Example
- Try Catch And Finally Block
- Inner Try Catch Block
- Try With Multiple Catch Block
- Try With Pipe Operator
- Exception Error Message Printing Ways
- Throw And Throws Keyword In Java
- Overriding Rule
- Custom Exception In Java
- Return Type Example
- Project :-
 - 1. Project Based On Exception Handling

Collection Framework

- Collection Frameworks

- List Interface

- Examples On List

- Project -
 - 1. Project Based On ArrayList , LinkedList.

- Collections Class Utility Method

- Comparable And Comparator Interface

- Set Interface

- Map Interface(HashMap, TreeMap, LinkedHashMap)

- Project -
 - 1. Project Based On Hash Map, Tree Map, LinkedHashMap.

JDBC

- Jdbc API In Java
- Statement Interface
- PreparedStatement
- Callablestatement
- Singleton Design Pattern

- Project ->
 - 1. Project Based On JDBC.

Multithreading

- Thread In Java

- Project :-
 - 1. Project Based On Thread.

Career Support

- Job Interview Preparation

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- Interview Questions And Answers

- Mock Interview Sessions

- Job Placement Assistance

Comprehensive Curriculum

- Curriculum Structure

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