

Core Java

- Install Java JDK
- Variables
- Data Types
- String Class & Casting
- Operators
- Arithmetic Operators
- Assignment Operators
- Comparison/Relational Operators
- Logical Operators

- Math class
- Taking Input
- Conditional Statements 'if-else'
- Class & Object
- Loops, Switch, do While, While
- Mini-Project Problem
- Multithreading

OOPS

- Constructor
- Non-Parameterized constructor
- Parameterized constructor
- Copy Constructor
- Polymorphism
- Compile Time Polymorphism
- Runtime Polymorphism

- Inheritance
- Package in Java
- Access Modifiers in Java
- Encapsulation
- Abstraction
- Interfaces
- Static Keyword

Collections Framework

- What is a Framework?
- What is Collection in Java
- Collections Framework hierarchy
- List.
 - - ArrayList
 - - LinkedList
 - - Vector
 - - Stack

Set.

1. HashSet
2. LinkedHashSet
3. TreeSet

Map

1. HashMap
2. TreeMap
3. LinkedHashMap

