

Java

Why Java?

- *Java Installation / Environment Variables*
- *JDK, JRE & JVM*
- *Execute a program via command prompt*
- *.class file*

OOPS

- *Class*
 - ✓ *Package*
 - ✓ *Main Method*
 - ✓ *Access Modifier*
 - ✓ *Datatype & Variables*
 - ✓ *Static & final Keyword*
 - ✓ *String class*
 - ✓ *Mutable v/s Immutable*
 - ✓ *Wrapper Classes*
 - ✓ *Conditions*
 - ✓ *Loops*
 - ✓ *For*
 - ✓ *While*
 - ✓ *Do-while*
 - ✓ *Switch*
 - ✓ *enums*
- *Object*

- ✓ *Methods*
- ✓ *Static method*
- ✓ *Return Type*

- *Constructor*

- *Encapsulation*

- *Inheritance*
 - ✓ *Single*
 - ✓ *Multiple*
 - ✓ *Multilevel*
 - ✓ *This keyword*
 - ✓ *Super keyword*

- *Abstraction*
 - ✓ *Abstract Class*
 - ✓ *Interface*

- *Polymorphism*
 - ✓ *Compile Time / Method Overloading*
 - ✓ *Run Time / Method Overriding*
 - ✓ *Final method*

Exception Handling

Collection

- *List*
- *Set*
- *Map*

Multithreading

JDBC

Servlet / JSP

Spring

Spring Boot

MicroServices

Kafka (Only Theoretical)