Java Roadmap (Compact)

Basic (upto 1 week)	Intermediate (upto 2 weeks)
- OS (Day 0) - Ubuntu (Recommended, Ask IT to install) - Intellij Idea (Ask IT to install) - Install sdkman (https://sdkman.io/install/) - Use sdkman to install - Java - Maven - Intellij Idea (Day 1) - Run Hello World - Java Basic Syntax (Day 1) - Object - Class - Interface - Package - Methods - Constructor - for loop - while loop - Decision making - Generics - Git & Github (Day 2) - Create Github Account - Use git inside Intellij - Data Type (Day 2) - Primitive Data Type - Reference/Object Data Types - Variable Types (Day 2) - Instance variables - Class (static) variables - Modifier Types (Day 2) - Access Control Modifier - Non-access control Modifier - Java Data & Time (Day 2) - Exceptions Handling (Day 2) - Java Collection Framework (Day 3) - List - Map - Java Stream API (Day 3) - Map, - Filter, - Collect, - Optional - OOPS concept (Day 4) - Polymorphism	- Maven (Day 6) - JDBC (Day 6) - Hibernate (Day 7, 8) - Basics (Day 7) - Session Factory - Session - Transaction - Entity, Table, Id, Column - HQL - Mapping (Day 8, 9) - All Mappings of Java entity to sql table - Cascading - Fetch Type - CRUD operations using joined tables (more than 3 tables) - Spring Framework (Day 10, 11, 12) - Spring Core (Day 10, 11) - DI - IOC - Spring Beans - Auto-wiring - Spring MVC (Day 11) - Spring Data JPA (Day 12) - Spring Security (Day 12) - Spring Boot (Day 12) - Hello World Application - Simple CRUD application using Spring Boot that includes all above concepts (Day 14, 15)

○ Inheritance ○ Encapsulation ○ Abstraction ● SOLID Principles (Day 5) ○ Single Responsibility Principle ○ Open/Closed Principle ○ Liskov Substitution Principle ○ Interface Segregation Principle ○ Dependency Inversion Principle	