JAVA - SPRING BOOT

D'Code
Innovation Labs

This course will cover all the topics which are most important for technical interviews. At the end of every topic questions based on the topic will be shared and solved.

by D'CODE Innovation Lab

1   JAVA

- Introduction to the course
- Installing JAVA
- JShell
- Variables
- Data Types
- Strings
- Operators
- Control Statements
- Loops
- OOPS
- IDE - Eclipse
- Reference Types
- Arrays and ArrayList
- Collections
- Generics
- Threads and Concurrency
- Exception Handling
- File Handling
- JAVA 8 Features
- JAVA New features
- Unit testing with JUnit
- Spring framework
- Spring Boot
- Maven
- DB Connectivity
- MQ Connectivity
- REST APIs
- Troubleshooting and Debugging

2   DATA STRUCTURES

- Introduction to Data Structure
- Big O Notation
- Essential Concept
- Memory and Logarithm
- Array
- Recursion
- Linked List
- Stack
- Queue
- Hash tables
- Trees
- Heaps
- Tries
- Graphs
- Searching Algorithm
- Sorting Algorithm
- Dynamic Programming

JAVA - SPRING BOOT

This course will cover all the topics which are most important for technical interviews. At the end of every topic questions based on the topic will be shared and solved.

by D'CODE Innovation Lab

3   SPRING BOOT

- Introduction to the course
- Web Service
- Spring Framework
- Restful Web Service with spring boot
- Spring Boot Concepts
- Spring Data with JPA/Hibernate
- Connecting REST API to MySQL DB
- Spring Security
- Spring Cloud
- Introduction to Microservices