## Haresh Borhade (NeoSOFT):

#### 1 CORE JAVA

- 1) Overloading & Overriding
- 2) Interface vs Abstract Class
- 3) JDK 8 Features
- 4) Access Modifiers
- 5) String / StringBuffer / StringBuilder
- 6) Object vs Class Lock
- 7) Static vs Final

#### 2 Java Collection

- 1) Collection Hierarchary
- 2) List, Set & Map
- 3) Concurrent Packages Collection
- 4) Comparator vs Comparable
- 5) Collection Sorting ways

## 3 Exception Handling

- 1) Exception & it's Types
- 2) Exception vs Error Class
- 3) Try Catch (Multiple Catch) & Finally Block
- 4) Throws
- 4)Throws clause vs throw keyword
- 5) Checked vs Unchecked Exceptions

# 4 Multi-threading

- 1) Thread vs Runnable
- 2) Synchronization
- 3) Race condition & Deadlock
- 4) Wait, notify and notifyAll methods
- 5) Executable Framework

## 5 Spring Framework

- 1) Spring Boot Benefits in detail
- 2) IOC Containers & Types

- 3) Dependency Injection & Ways of achieving
- 4) Different Types of Annotations & Usage
- 5) Bean LifeCycle
- 6 ORM / JPA
  - 1) ORM vs JPA Difference
  - 2) ORM (Hibernate) Usage
  - 3) Types
  - 4) Types of Annotations
  - 5) Types of Caching
- 7 Spring Security Basics
  - 1) Authentication vs Authorization
  - 2) JWT
- 8 Microservices
  - 1) Eureka & Zuul
  - 2) Circuit Breaker
  - 3) Fault Tolerance
  - 4) Advantages & Disadvantages Microservices