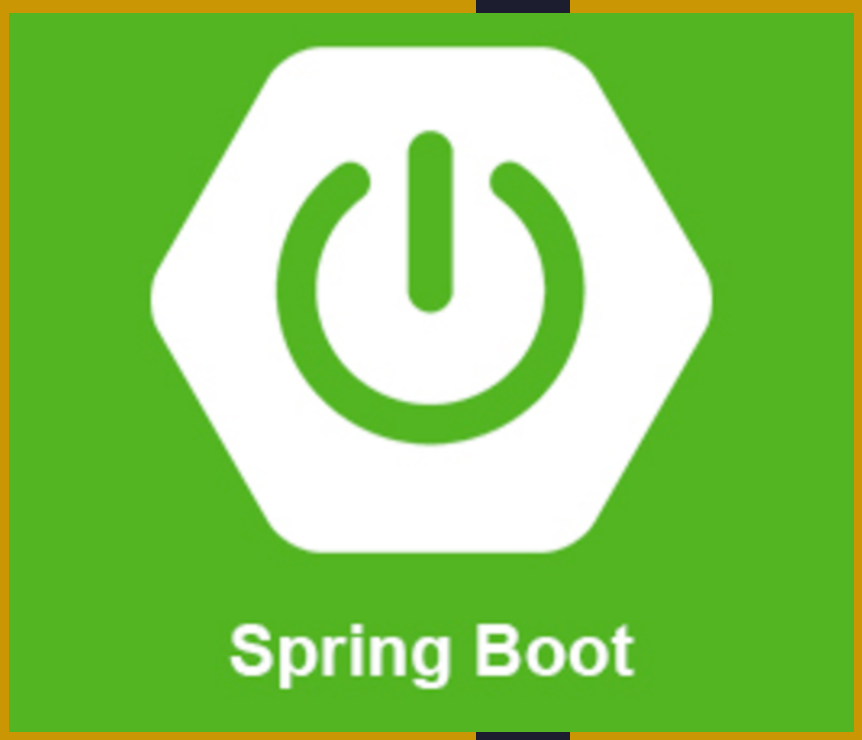
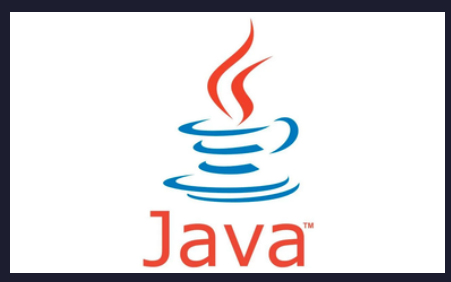
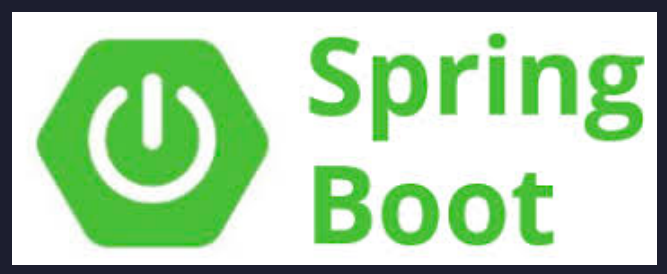
Infinity Masters

Java + Springboot Online Training







MONDAY TO FRIDAY

09:30 to 10:30 PM IST

Course Duration - 2 Months

New Batch S24 Starts on 11th September

Nagaraju Kusa

Contact Us

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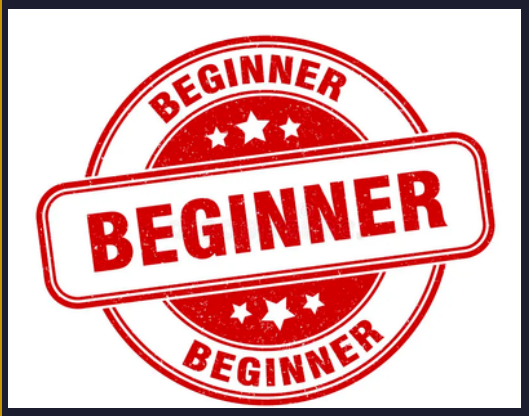
https://www.infinitymasters.github.io/

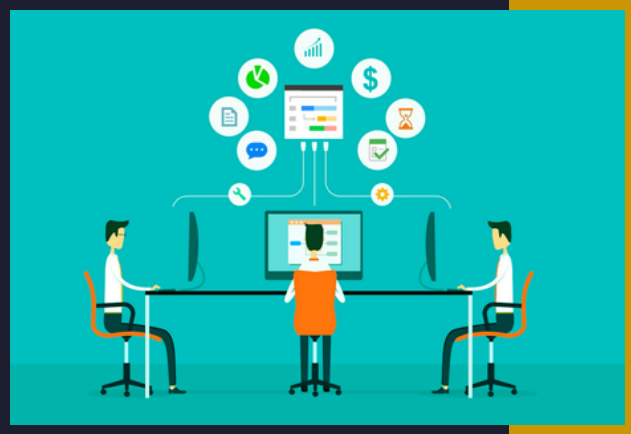
What's in the Training...???



Beginner to Advanced Level

No pre-requisites required. Everything starts from the scratch and taken till advanced level. Background doesn't matter either IT or Non-IT. Everything explained in Telugu + English.

Hands on Practice with Realtime Project with Internship Certificate

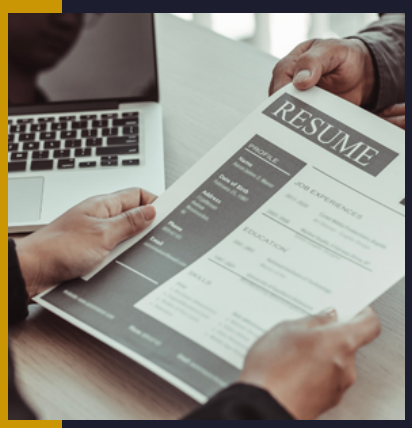


Hands on Project and learning software - development start from Day 1. Batch is divided into team of 3's to work on Real Time Projects

1:1 Mentorship

1 : 1 Mentoring Support

Mentor is available to connect via phone and zoom on Technical Support, Career Guidance, Placements Trainings etc.



Resume Preparation and Mock Interviews

Guidance on preparing Resume for Campus Placements,Industry Internships, Mock Interview for candidates appearing for any interviews to be provided

GitHub Discussions & Lifetime access to Session Recordings

You can easily approach us if you get any error while practice. Take the screenshot and send us. You can also clear others doubts :)

GitHub DISCUSSIONS

Fee - 7,5000/- INR. Join 1 week for and decide

JAVA + SPRING CURRICULUM

1. Introduction

- What is Software Development ?
- Software Development Lifecycle (SDLC)
- SDLC Models - Agile, Waterfall
- Software Development Journey - Case Studies
- What is Full Stack Engineering ?
- What is Backend Engineering ?
- Why to learn Java ?
- Why to learn Springboot ?
- Wy to learn RDBMS ?
- Client - Server Architecture
- Monoliths vs Microservices Architecture
- Introduction to Micoservices Architecture
- Microservices Communication - Application Program Interfaces (APIs)
- How Source Code is Managed ?
- How applications are managed ?
- How applications are deployed ?
- Mainframes vs Cloud Technology
- How Large Scale Applications works ?
- Introduction to Real Time Project

2. Git & Github - Source Code Management

- **What is Source code management**
- **Understand Version Control**
- **Perform management of files for small as well as large projects**
- **Role of Git in Development life cycle**
- **Installing Git**
- **Working with Remote repository**
- **Branching and merging in Git**
- **Resolving Merge Conflicts**
- **Perform various Git commands**
- Forking a repository
- Execute branching and merging
- operations
- Pull request
- Tag (version release)
- Managing remote repositories
- Issues
- Projects

DEVOPS + AWS CURRICULUM (CONTD.)

3. Linux Administration

- Introduction to Linux
- What is Linux Administration ?
- Basic Linux Commands
- Writing Shell Scripts
- SSH Configuration

4. Introduction to Java

- **Introduction to programming and Java**
- **Setting up the development environment (JDK, IDE)**
- **Writing and running a simple Java program**
- **Understanding Java syntax, statements, and expressions**
- **Data types, variables, and constants**
- **Basic input and output using Scanner**

5. Control Flow and Basic OOP Concepts

- **Conditional statements: if, else if, switch**
- **Looping statements: for, while, do-while**
- **Introduction to Object-Oriented Programming (OOP) principles**

5. Control Flow and Basic OOP Concepts [CONTD]

- Classes and objects: defining, creating, and using
- Constructors and overloading
- Methods: defining, parameters, return types

6. Advanced OOPS Concepts

- Encapsulation and access modifiers (public, private, protected)
- **Inheritance: extending classes, super keyword**
- **Method overriding and @Override annotation**
- **Polymorphism and dynamic method dispatch**
- **Abstract classes and methods**
- **Interfaces: definition, implementation, multiple inheritance**

DEVOPS + AWS CURRICULUM (CONTD.)

7. Exception Handling

- Understanding exceptions and error handling
- try, catch, finally **blocks**
- **Checked vs. unchecked exceptions**
- **Custom exceptions**

8. Java Collection Framework

- Introduction to Java Collections
- Lists: ArrayList, LinkedList
- Maps: HashMap, TreeMap

9. Spring Boot - Introduction

- Overview of Spring Framework
- Spring Framework Architecture
- IOC Container & Dependency Injection
- Spring Bean Scopes
- Autowiring
- Introduction to Spring Boot
- Spring Vs. Spring Boot
- Internals of Spring Boot
- Web Applications Development using Spring Boot

Note: Real-time project with different topics starts in the beginning

10. Setting up Spring Boot

- Setting up Development IDE
- Introduction to Spring Initializr
- Spring Boot Application Creation

11. Spring Boot - Core Concepts

- Spring Boot Annotations
- **Spring Boot Runners**
- Spring Data JPA Introduction
- CrudRepository & JpaRepository
- findBy methods in JPA
- Custom Queries in JPA
- Springboot - Exception Handling
- Spring Boot Actuators
- Spring Cloud Concepts

12. Spring Boot - Advanced

- Spring REST Introduction
- HTTP Protocol Internals
- REST API Development
- Introduction to Postman - API Testing Tool
- Microservices Introduction
- Microservices Architecture
- Interservice Communication
- External API Communication

About the Project.!!!

At the beginning of internship, entire batch to be divided as a Team of 3's to work on the real-time problem statements as part of the internship training. The entire project codebase to be open-sourced under MIT License and will be available to access during your project reviews, placements interviews etc.

Internship Certificate will be issued at the end of internship as soon as the project is successfully accomplished with all the requirements. The certificate is a digitally signed ceritificate with authentic stamp and can be verified on the web URL using certificate credentials.

Some sample problem statements are:

- Design & Develop UPI system for financial transanctions in India
- Design & Develop Job Portal System
- Design & Develop Real Estate Listings Platform

Don't worry, these are sample projects, you will be finding it easy you will be learning & working on these projects

Also, very soon, I will be launching a dedicated website :)

Contact Us

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