

Rest Webservices

- 1. Softwares Setup (JDK15, Winrar, editplus and Eclipse)
- 2. SpringBoot First Application
- 3. Rest Webservices return types
- 4. Rest Webservices Input (PathVariable)
- 5. Rest Webservices Input (RequestBody)
- 6. Rest Webservices Input (RequestParam)
- 7. GET mapping in detail
- 8. Image file upload
- 9. Diff file uploads
- 10. File upload along with JSON object
- 11. Multiple Files and Multiple JSON objects
- 12. Excel File upload and processing with POI
- 13. text file upload and inserting into db
- 14. Excel file upload and inserting into db



- 15. ResponseEntity body and status code
- 16. ResponseEntity body, headers and status code
- 17. ResponseEntity File Download
- Mail Sending setup and sending text mail
- 19. mail with HTML body
- 20. mail with attachment
- 21. mail with programmatic configuration(sending from a specific mail account)
- 22. email id verification

Spring Boot

- Softwares Setup (JDK15, Winrar, editplus and Eclipse)
- 2. SpringBoot first app
- 3. SpringBoot 2nd app



- 4. Spring Boot Auto Configuration
- 5. Spring Boot Dev Tools
- 6. Spring Boot Command Line Arguments
- 7. Spring Boot Exception handling
- 8. Spring Boot JAR Development
- 9. Spring Boot WAR Development

Spring Microservices

- 1. Micro Services Architecture
- 2. Micro Services Setup
- 3. RestTemplate
- 4. Feign client with Example
- 5. Feign client with Zipkin Server
- 6. Feign and Ribbon client with Example
- 7. Feign, Ribbon and Eureka
- 8. Feign, Ribbon, Zuul and Eureka
- 9. Feign, Ribbon, Zuul and Slueth



- 10. RabbitMQ and Zipkin
- 11. Spring Cloud Config server
- 12. Spring Cloud Config client
- 13. Spring Cloud Actuator
- 14. Spring Cloud Bus
- 15. Spring Hystrix

Spring Data JPA

- 1. Setup
- 2. Save operation
- 3. Save All operation
- 4. PUT and PATCH operations
- 5. READ and DELETE operations
- 6. All Methods Of CRUD Repository
- 7. Generators
- 8. For Unique Columns
- 9. For NON Unique Columns
- 10. Where clause with Boolean LIKE
- 11. Where clause with Boolean AND
- 12. Where clause with Boolean OR



- 13. Table, Column, Not-NULL and Unique
- 14. Where clause with Greater Than (>) and Less Than (<)
- 15. Reading Single Column
- 16. Reading Multiple Columns
- 17. DTO Development
- 18. DTO Single Join
- 19. DTO Multiple Join
- 20. one-to-one uni directional
- 21. one-to-one bi directional
- 22. one-to-one sharing key (MapsId)
- 23. one-to-many uni directional
- 24. one-to-many bi directional
- 25. many-to-many

Spring Security

- 1. Security Setup
- 2. Inmemory Credentials and Password encoding
- 3. Reading Credentials from DB
- 4. Authorization Bsics



- 5. Authorization Patterns
- 6. Tesing Authentication through ARC
- 7. Setting up Angular
- 8. Tesing Authorization through Angular
- 9. Interception Filters
- 10. Guard Services
- 11. JWT implementation in Spring Boot app and calling from Angular app