CODER UNIVERSE TECHNOLOGY

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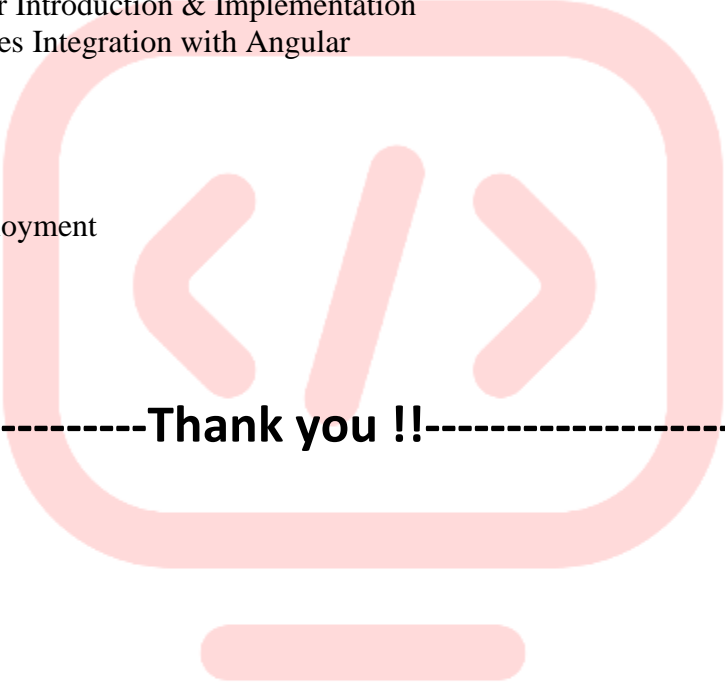
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Microservices Syllabus

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Prerequisite : Spring Boot & Web Services

- Monolith Architecture Introduction
- Monolith Architecture case study
- Monolith Application Deployment Process
- Load balancer (Cluster) case study
- Load Balancing Algorithms
- Round Robin
- IP Hashing
- Sticky Session
- Monolith Architecture Drawbacks
- Micro services Introduction
- Micro Services Advantages
- Micro Services Dis-Advantages
- Micro Services case study
- Identifying Micro services boundaries
- Micro services Architecture
- Micro services Development
- Interservice communication case Study (FeignClient)
- Deploying Micro services to AWS
- Service Registry case study (Netflix Eureka)
- API Gateway

- Hystrix (Circuit Breaker)
- Spring Boot Admin Server
- Spring Boot Admin Client
- Distributed Logging
- Sleuth Logging
- Zipkin Server
- Ribbon case study (Micro services load balancer)
- Implementing Ribbon in Micro services
- ConfigServer Introduction & Implementation
- Micro services Integration with Angular
- TOOLS
- Maven
- Log4J
- Junit 5
- Jenkins Deployment
- Docker
- POSTMAN
- Swagger

-------------------------Thank you !!----------------------------