# Week 5: Microservices with Spring Boot 3 and Spring Cloud

## Hands-On Exercise: Creating Microservices for Account and Loan Services

In this exercise, we will develop two independent microservices for a banking system:  
1. Account Microservice  
2. Loan Microservice  
  
Each service will be a Spring Boot REST API with no backend connectivity and will run on different ports.

**Creating Microservices for account and loan**

* **Accounts Microservice,**
* Created the asked folder structure,

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* Created the maven project using spring initializr

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* Put the generated folder into the given folder, and ran “mvn clean package” and got no errors

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* Imported the project into eclipse, and defined AccountController.java file

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* Ran the server (on default port 8080, and checked the endpoint is working),

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* **Loans Microservice**
* Created the asked folder structure and in exact similar way, created the loans project using spring initializr

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* Similarly ran “mvn clean package” and got no errors

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* Similarly imported this loans project into eclipse, and here also defined the LoanController.java file

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* Changed in application.properties file to change the port to 8081 on which the server will be running

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* Ran the server again, got no errors this time. Both the servers are now running on different ports - port 8080 and 8081.

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