Spring Boot Microservices Documentation

# 1. Account Service

Path: account/src/main/java/com/cognizant/account/

Main Class: AccountApplication.java

Controller: AccountController.java

Functionality:

Exposes an HTTP endpoint to retrieve account details:

@GetMapping("/account")  
public Account getAccountDetails() {  
 return new Account("123456789", "Savings", 25000.0);  
}

Expected Output:

{  
 "accountNumber": "123456789",  
 "accountType": "Savings",  
 "balance": 25000.0  
}

Run using:

mvn spring-boot:run

Then access via:

http://localhost:8080/account

# 2. Loan Service

Path: loan/src/main/java/com/cognizant/loan/

Main Class: LoanApplication.java

Controller: LoanController.java

Functionality:

Exposes an HTTP endpoint to retrieve loan details:

@GetMapping("/loan")  
public Loan getLoanDetails() {  
 return new Loan("LN12345", "Home Loan", 500000.0);  
}

Expected Output:

{  
 "loanNumber": "LN12345",  
 "loanType": "Home Loan",  
 "loanAmount": 500000.0  
}

Run using:

mvn spring-boot:run

Then access via:

http://localhost:8080/loan

# 3. Testing

Each project includes a basic test class under src/test/java/:

- AccountApplicationTests.java  
- LoanApplicationTests.java

Run tests with:

mvn test