Microservices: Account and Loan

## 1. Account Microservice

Account.java  
  
package com.example.accountservice.model;  
public class Account {  
 private String accountId;  
 private String name;  
 private double balance;  
 public String getAccountId() { return accountId; }  
 public void setAccountId(String accountId) { this.accountId = accountId; }  
 public String getName() { return name; }  
 public void setName(String name) { this.name = name; }  
 public double getBalance() { return balance; }  
 public void setBalance(double balance) { this.balance = balance; }  
}  
  
AccountController.java  
  
package com.example.accountservice.controller;  
import com.example.accountservice.model.Account;  
import org.springframework.web.bind.annotation.\*;  
@RestController  
@RequestMapping("/accounts")  
public class AccountController {  
 @GetMapping("/{id}")  
 public Account getAccount(@PathVariable String id) {  
 Account acc = new Account();  
 acc.setAccountId(id);  
 acc.setName("John Doe");  
 acc.setBalance(5000.0);  
 return acc;  
 }  
}

## 2. Loan Microservice

Loan.java  
  
package com.example.loanservice.model;  
public class Loan {  
 private String loanId;  
 private String accountId;  
 private double amount;  
 public String getLoanId() { return loanId; }  
 public void setLoanId(String loanId) { this.loanId = loanId; }  
 public String getAccountId() { return accountId; }  
 public void setAccountId(String accountId) { this.accountId = accountId; }  
 public double getAmount() { return amount; }  
 public void setAmount(double amount) { this.amount = amount; }  
}  
  
LoanController.java

package com.example.loanservice.controller;  
import com.example.loanservice.model.Loan;  
import org.springframework.web.bind.annotation.\*;  
@RestController  
@RequestMapping("/loans")  
public class LoanController {  
 @GetMapping("/{id}")  
 public Loan getLoan(@PathVariable String id) {  
 Loan loan = new Loan();  
 loan.setLoanId(id);  
 loan.setAccountId("ACC123");  
 loan.setAmount(25000.0);  
 return loan;  
 }  
}