**Creating Microservices for account and loan**

**Account Microservice**

**Account.java**

**package** com.cognizant.account;

**public** **class** Account {

String accNo;

String accType;

**float** balance;

**public** String getAccNo() {

**return** accNo;

}

**public** **void** setAccNo(String accNo) {

**this**.accNo = accNo;

}

**public** String getAccType() {

**return** accType;

}

**public** **void** setAccType(String accType) {

**this**.accType = accType;

}

**public** **float** getBalance() {

**return** balance;

}

**public** **void** setBalance(**float** balance) {

**this**.balance = balance;

}

**public** Account(String accNo, String accType, **float** balance) {

**this**.accNo = accNo;

**this**.accType = accType;

**this**.balance = balance;

}

}

**AccountController.java**

**package** com.cognizant.account.controller;

**import** org.springframework.http.MediaType;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RestController;

**import** com.cognizant.account.Account;

@RestController

@RequestMapping("/accounts")

**public** **class** AccountController {

@GetMapping(value = "/{number}", produces = MediaType.***APPLICATION\_JSON\_VALUE***)

**public** Account getAccount(@PathVariable String number) {

**return** **new** Account(number, "Saving", 234343);

}

}

**Loan Microservice**

**Application.properties**

spring.application.name=loan

server.port=8081

**Loan.java**

**package** com.cognizant.loan;

**public** **class** Loan {

**private** String number;

**private** String type;

**private** **float** loan;

**private** **float** emi;

**private** **int** tenure;

**public** Loan(String number, String type, **float** loan, **float** emi, **int** tenure) {

**this**.number = number;

**this**.type = type;

**this**.loan = loan;

**this**.emi = emi;

**this**.tenure = tenure;

}

**public** String getNumber() {

**return** number;

}

**public** **void** setNumber(String number) {

**this**.number = number;

}

**public** String getType() {

**return** type;

}

**public** **void** setType(String type) {

**this**.type = type;

}

**public** **float** getLoan() {

**return** loan;

}

**public** **void** setLoan(**float** loan) {

**this**.loan = loan;

}

**public** **float** getEmi() {

**return** emi;

}

**public** **void** setEmi(**float** emi) {

**this**.emi = emi;

}

**public** **int** getTenure() {

**return** tenure;

}

**public** **void** setTenure(**int** tenure) {

**this**.tenure = tenure;

}

}

**LoanController.java**

**package** com.cognizant.loan.controller;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RestController;

**import** com.cognizant.loan.Loan;

@RestController

@RequestMapping("/loans")

**public** **class** LoanController {

@GetMapping("/{number}")

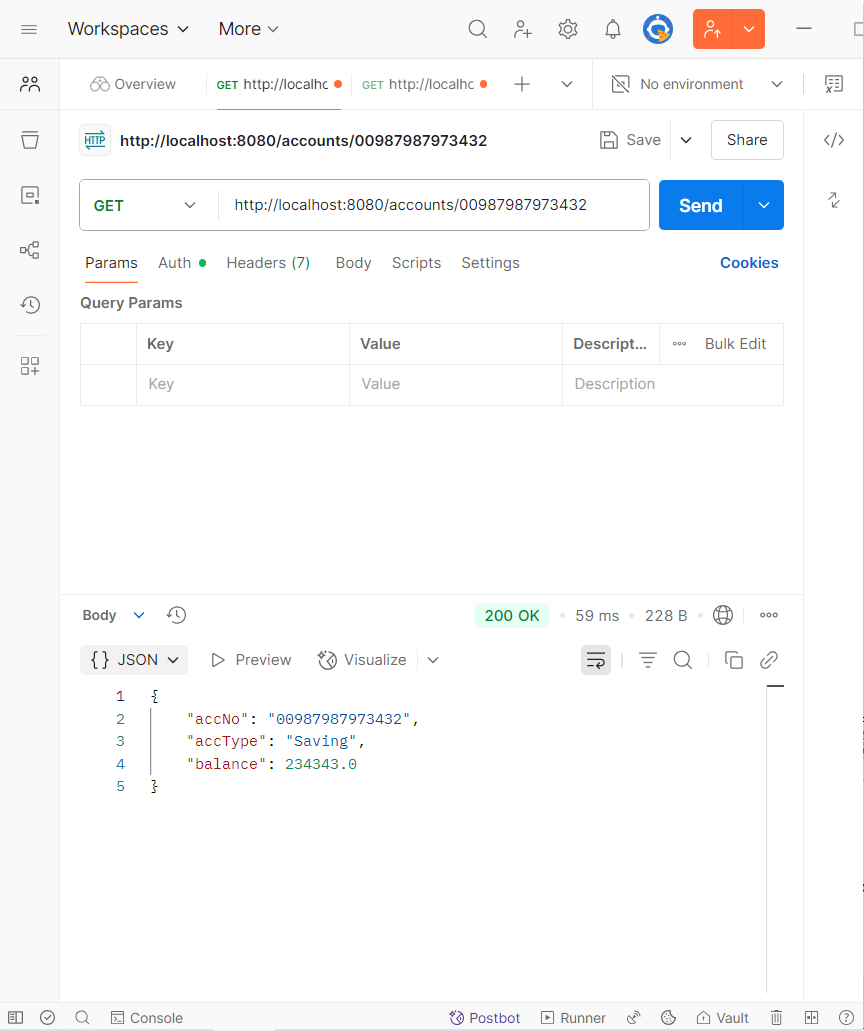
**public** Loan getLoanDetails(@PathVariable String number) {

**return** **new** Loan(number, "car", 400000, 3258, 18);

}

}

**Output**

****

