**Creating Microservices for account and loan**

Account.java

package com.cognizant.account.controller;

public class Account {

private String number;

private String type;

private double balance;

public Account(String number, String type, double balance) {

this.number = number;

this.type = type;

this.balance = balance;

}

// Standard getters and setters

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 double getBalance() {

return balance;

}

public void setBalance(double balance) {

this.balance = balance;

}

}

Accountcontroller.java

package com.cognizant.account.controller;

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

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

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

*@RestController*

public class AccountController {

*@GetMapping*("/accounts/{number}")

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

// This is a dummy response without any real backend connectivity

return new Account(number, "savings", 234343);

}

}

OUTPUT

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Loan.java

package com.cognizant.loan.controller;

public class Loan {

private String number;

private String type;

private double loan;

private double emi;

private int tenure;

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

this.number = number;

this.type = type;

this.loan = loan;

this.emi = emi;

this.tenure = tenure;

}

// Standard getters and setters

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 double getLoan() { return loan; }

public void setLoan(double loan) { this.loan = loan; }

public double getEmi() { return emi; }

public void setEmi(double 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.RestController;

*@RestController*

public class LoanController {

*@GetMapping*("/loans/{number}")

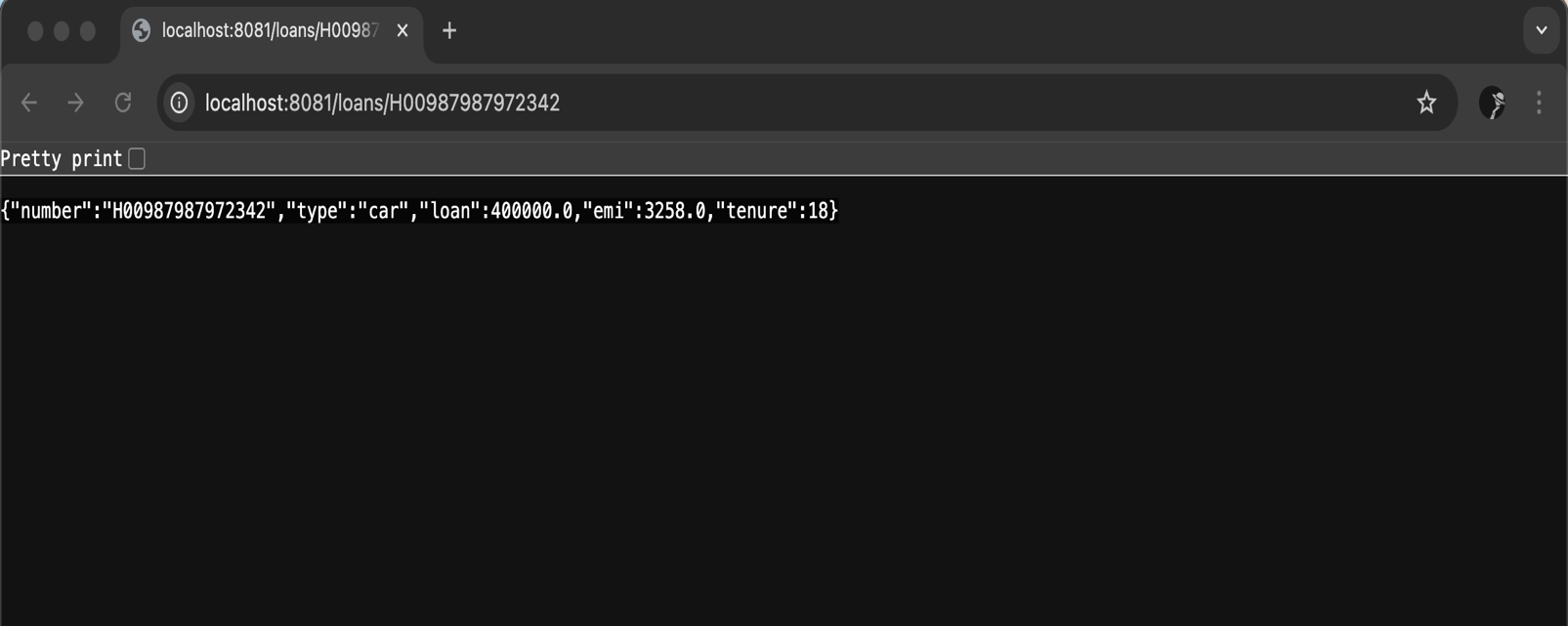
public Loan getLoanDetails(*@PathVariable* String number) {

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

}

}

OUTPUT



A screen shot of a computer

AI-generated content may be incorrect.