**WEEK-5**

**MICROSERVICES**

**Creating Microservices for account and loan**

package com.example.bankingservice;

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

@RestController

@RequestMapping("/banking/accounts")

public class BankingAccountController {

@GetMapping("/{accountId}")

public BankingAccount fetchAccount(@PathVariable String accountId) {

return new BankingAccount(accountId, "Savings Account", 234343);

}

static class BankingAccount {

private final String accountId;

private final String accountType;

private final int currentBalance;

public BankingAccount(String accountId, String accountType, int currentBalance) {

this.accountId = accountId;

this.accountType = accountType;

this.currentBalance = currentBalance;

}

public String getAccountId() {

return accountId;

}

public String getAccountType() {

return accountType;

}

public int getCurrentBalance() {

return currentBalance;

}

}

}

@RestController

@RequestMapping("/banking/loans")

class BankingLoanController {

@GetMapping("/{loanId}")

public LoanDetails fetchLoanInfo(@PathVariable String loanId) {

return new LoanDetails(loanId, "Car Loan", 400000, 3258, 18);

}

static class LoanDetails {

private final String loanId;

private final String category;

private final int principalAmount;

private final int monthlyInstallment;

private final int durationMonths;

public LoanDetails(String loanId, String category, int principalAmount, int monthlyInstallment, int durationMonths) {

this.loanId = loanId;

this.category = category;

this.principalAmount = principalAmount;

this.monthlyInstallment = monthlyInstallment;

this.durationMonths = durationMonths;

}

public String getLoanId() {

return loanId;

}

public String getCategory() {

return category;

}

public int getPrincipalAmount() {

return principalAmount;

}

public int getMonthlyInstallment() {

return monthlyInstallment;

}

public int getDurationMonths() {

return durationMonths;

}

}

}