MICROSERVICES

OBJECTIVE-1:-

Create a Spring Boot microservice that returns account details using a REST API.

CODE:-

AccountController.java

package com.cognizant.account;

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

@RestController

@RequestMapping("/accounts")

public class AccountController {

@GetMapping("/{number}")

public Account getAccountDetails(@PathVariable String number) {

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

}

}

Account.java

package com.cognizant.account;

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;

}

public String getNumber() { return number; }

public String getType() { return type; }

public double getBalance() { return balance; }

}

OUTPUT:-

URL: http://localhost:8080/accounts/00987987973432

JSON Response:

{

"number": "00987987973432",

"type": "savings",

"balance": 234343

}

OBJECTIVE-2:-

Create another Spring Boot microservice that returns loan details using a REST API.

CODE:-

LoanController.java

package com.cognizant.loan;

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

@RestController

@RequestMapping("/loans")

public class LoanController {

@GetMapping("/{number}")

public Loan getLoanDetails(@PathVariable String number) {

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

}

}

Loan.java

package com.cognizant.loan;

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;

}

public String getNumber() { return number; }

public String getType() { return type; }

public double getLoan() { return loan; }

public double getEmi() { return emi; }

public int getTenure() { return tenure; }

}

OUTPUT:-

URL: http://localhost:8081/loans/H00987987972342

JSON Response:

{

"number": "H00987987972342",

"type": "car",

"loan": 400000,

"emi": 3258,

"tenure": 18

}