Project Overview

You have provided two independent Spring Boot microservices:

1. **account service:** Manages bank account details. It runs on port 8080.
2. **loan service:** Manages loan details. It runs on port 8081.

Below are the details for each service, including how to run them and the expected API output.

1. Account Microservice

This service provides details for a bank account.

How to Run:

Navigate to the account directory and run the following Maven command:

mvn spring-boot:run

The service will start on the default port 8080.

API Endpoint:

- **URL:** /accounts/{number}
- **Method:** GET
- **Description:** Retrieves details for a specific account number.

Example Request:

You can query the endpoint using a tool like curl:

curl http://localhost:8080/accounts/00123456789

Expected Output:

The service will return a JSON object with the account details. Based on the controller logic, the output will be:

```
{
  "number": "00123456789",
  "type": "savings",
  "balance": 234343
```

}

2. Loan Microservice

This service provides details for a loan associated with an account.

How to Run:

Navigate to the loan directory and run the following Maven command:

mvn spring-boot:run

The service will start on port 8081, as configured in application.properties.

API Endpoint:
- **URL:** /loans/{number}
- **Method:** GET
- **Description:** Retrieves loan details for a specific loan number.

Example Request:

You can query the endpoint using a tool like curl:

curl http://localhost:8081/loans/98765432100

Expected Output:

The service will return a JSON object with the loan details. Based on the controller logic, the output will be:

```
{
  "number": "98765432100",
  "type": "car",
  "loan": 400000,
  "emi": 3258,
  "tenure": 18
}
```