

SETUP

- **Setup to Run application on Local Machine [Eclipse]**

- Download Eclipse JEE
- Add cucumber plugin from eclipse marketplace
- Create a spring project from <https://start.spring.io/> and download the zip folder
- Import unzipped application into eclipse (File -> Import -> Import Existing Maven Project -> select Project folder)
- Run project as spring boot app

- **Setup to Run application on Local Machine [Docker Image]**

- Pull Docker images
- princi085/cloudloanapply-docker.jar
- princi085/cloudloginregistration-docker.jar
- Run docker images

How to Run

- After setup Go to postman
- **REGISTER:** localhost:8888/register (**postmapping**)
Enter JSON data in following format in the Body

```
{  
  "userId":106,  
  "name":"Samrat",  
  "password":"pass",  
  "address":"106/6afs",  
  "country":"India",  
  "state":"Uttar Pradesh",  
  "email":"samrat@gmail.com",  
  "panNumber":"ABCDE66666",  
  "contactNumber":1234567890,  
  "dateOfBirth":"1990-04-04",  
  "typeOfAccount":"Savings"  
}
```

- **REGISTER:** localhost:8888/register (**getmapping**)
Get the account details of all the users

- **REGISTER:** localhost:8888/register/userId (**getmapping**)

Get the account details of the entered user id

- **LOGIN:** localhost:8888/login (**postmapping**)
Enter JSON data in following format in the Body

```
{  
  "userId":101,  
  "password":"pass"  
}
```

- **UPDATE (ACCOUNT DETAILS):** localhost:8888/update/userId (**putmapping**)

Enter JSON data in following format in the Body

```
{  
  "userId": 103,  
  "name": "Abhishek",  
  "password": "pass",  
  "address": "103/3afs",  
  "country": "India",  
  "state": "Tripura",  
  "email": "abhishek@gmail.com",  
  "panNumber": "ABCDE33333",  
  "contactNumber": 1234567890,  
  "dateOfBirth": "1990-03-03T00:00:00.000+00:00",  
  "typeOfAccount": "Current"  
}
```

- **APPLY LOAN:** localhost:8889/applyLoan (**postmapping**)

Enter JSON data in following format in the Body

```
{  
  "userId": "106",  
  "password": "pass",  
  "loanType": "car loan",  
  "loanAmount": 600000.0,  
  "interestRate": 5.0,  
  "duration": 33  
}
```

- **APPLY LOAN:** localhost:8889/applyLoan/userId (**getmapping**)

Get the loan details of the entered user id

- **SWAGGER DOCUMENTATION:**

- localhost:8888/swagger-ui.html
- localhost:8889/swagger-ui.html

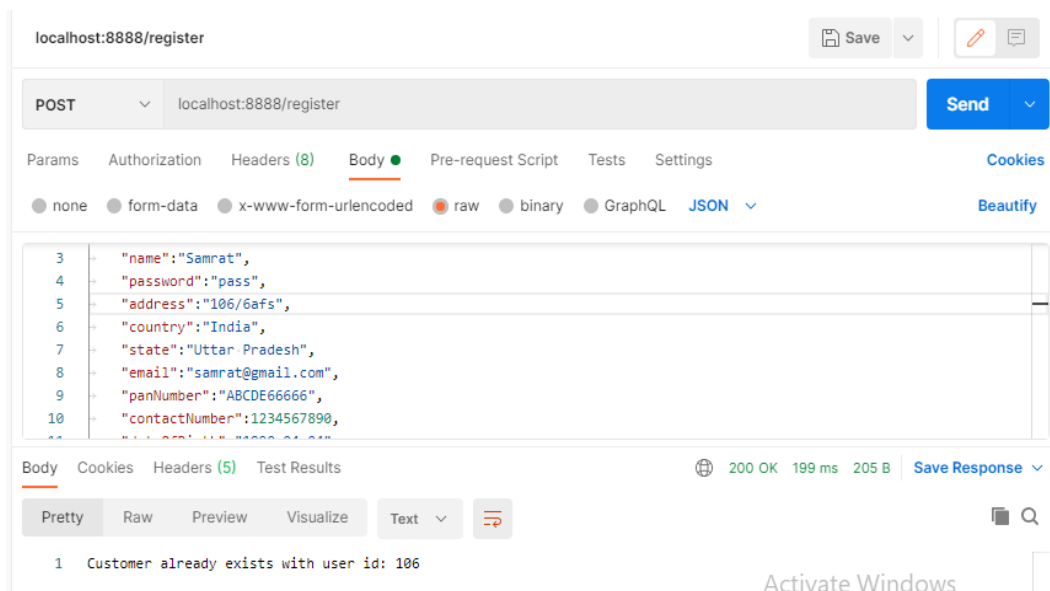
APPLICATION DEPLOYED ON GOOGLE KUBERNETES ENGINE

[To run the deployed applications change “ **localhost** ” in URL of /register/login/update to “**http://34.93.229.17:8889/** “]

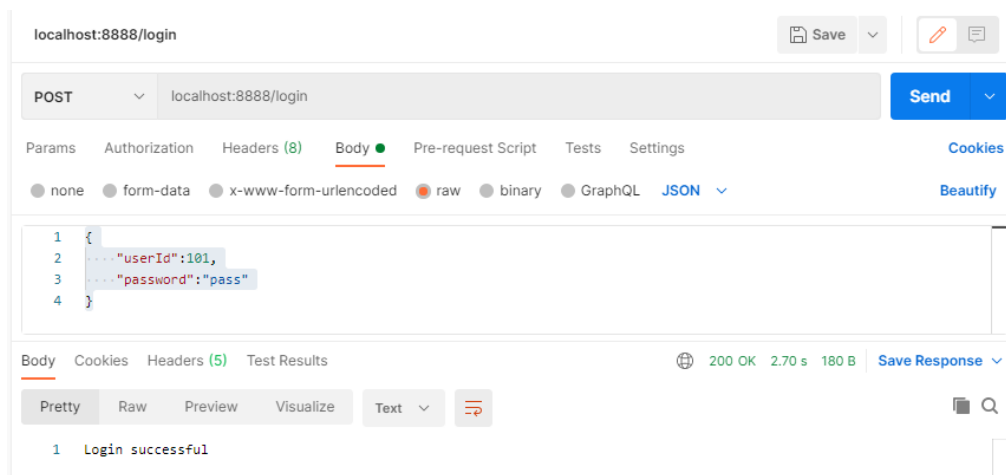
[To run the deployed applications change “ **localhost** ” in URL of /applyLoan to “**http://34.93.208.30:8888/** “]

SNAPSHOTS

(Register)



(Login)



(Update)

localhost:8888/update/33

PUT localhost:8888/update/33 ... Send

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
9 ..... "panNumber": "ABCDE33333",
10 ..... "contactNumber": 1234567890,
11 ..... "dateOfBirth": "1990-03-03T00:00:00.000+00:00",
12 ..... "typeOfAccount": "Current"
13 ..... }
```

Body Cookies Headers (5) Test Results 200 OK 146 ms 199 B Save Response

Pretty Raw Preview Visualize Text

1 No user exists with entered user id

(Apply Loan)

localhost:8889/applyLoan

POST localhost:8889/applyLoan ... Send

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 .....
2 ..... "userId": "106",
3 ..... "password": "pass",
4 ..... "loanType": "car loan",
5 ..... "loanAmount": 600000.0,
6 ..... "interestRate": 5.0,
7 ..... "duration": 33
8 ..... }
```

Body Cookies Headers (5) Test Results 200 OK 1267 ms 212 B Save Response

Pretty Raw Preview Visualize Text

1 Loan details saved successfully for user id: 106

Google Cloud Platform

Google Cloud Platform testid459 Search products and resources

Kubernetes Engine Services & Ingress REFRESH CREATE INGRESS DELETE

Clusters Workloads **Services & Ingress** Applications Configuration Storage Object Browser Migrate to containers

Cluster Namespace RESET SAVE BETA

SERVICES INGRESS

Services are sets of Pods with a network endpoint that can be used for discovery and load balancing. Ingresses are collections of rules for routing external HTTP(S) traffic to Services.

Filter Is system object: False Filter services and ingresses

<input type="checkbox"/>	Name ↑	Status	Type	Endpoints	Pods	Namespace	Clusters	
<input type="checkbox"/>	loan-application-bank	OK	External load balancer	34.93.229.17:8889	1/1	default	bankmanagement-micr...	▼
<input type="checkbox"/>	login-registration-bank	OK	External load balancer	34.93.208.30:8888	1/1	default	bankmanagement-micr...	▼