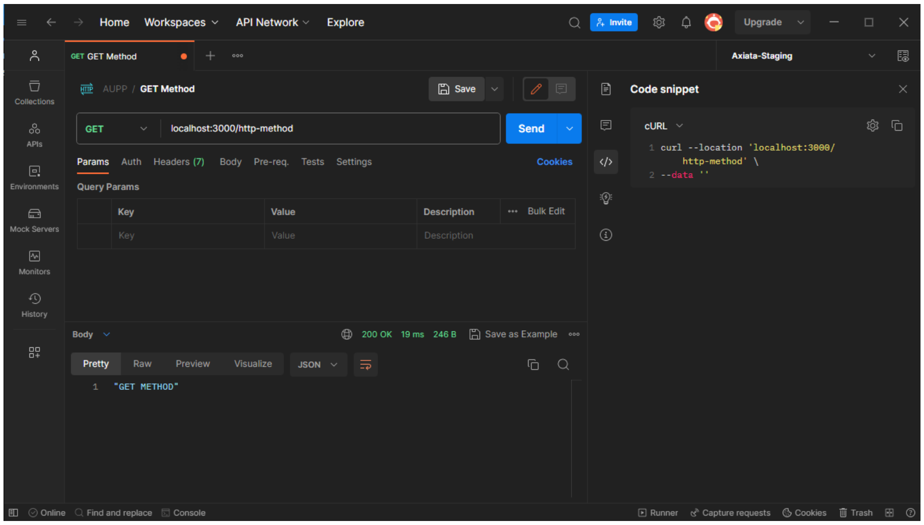
Cloud Computing Assignment

Assignment1: CREATE API using NodeJS + postman for get/post/put/delete

GET METHOD

```
curl --location 'localhost:3000/http-method' \
--data ''
```



GET localhost:3000/http-method

Query Params

Key	Value	Description
Key	Value	Description

```
curl --location 'localhost:3000/
    http-method' \
--data ''
```

200 OK 19 ms 246 B

```
"GET METHOD"
```

Figure 1: image

PUT METHOD

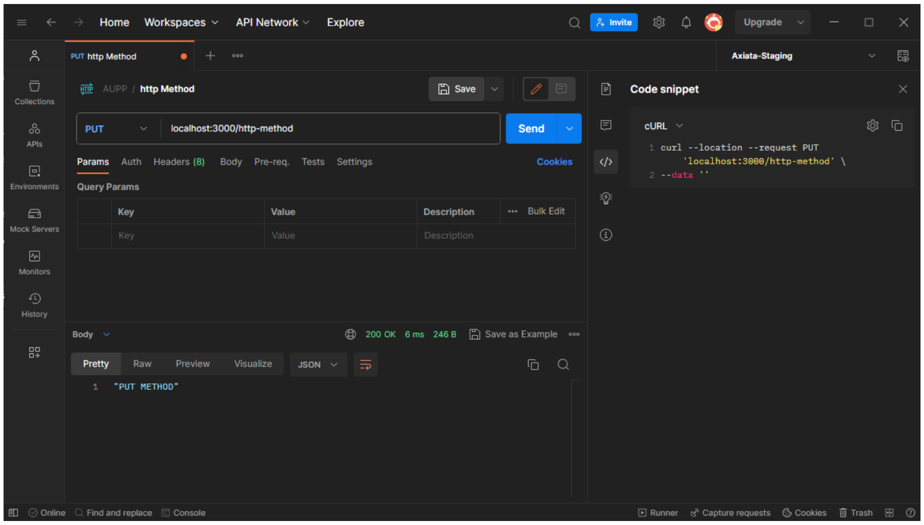
```
curl --location --request PUT 'localhost:3000/http-method' \
--data ''
```

POST METHOD

```
curl --location --request POST 'localhost:3000/http-method' \
--data ''
```

DELETE METHOD

```
curl --location --request DELETE 'localhost:3000/http-method' \
--data ''
```



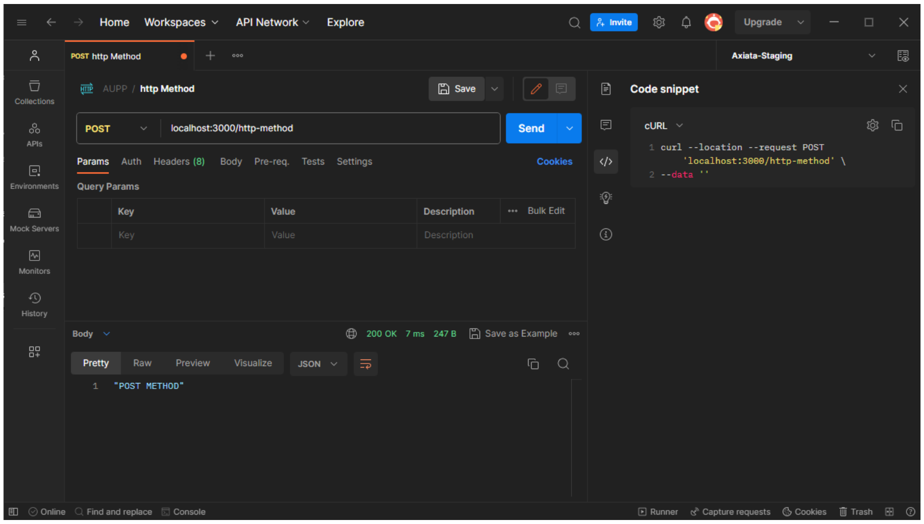
PUT localhost:3000/http-method

```
curl --location --request PUT
    'localhost:3000/http-method' \
--data ''
```

200 OK 6 ms 246 B

```
"PUT METHOD"
```

Figure 2: image



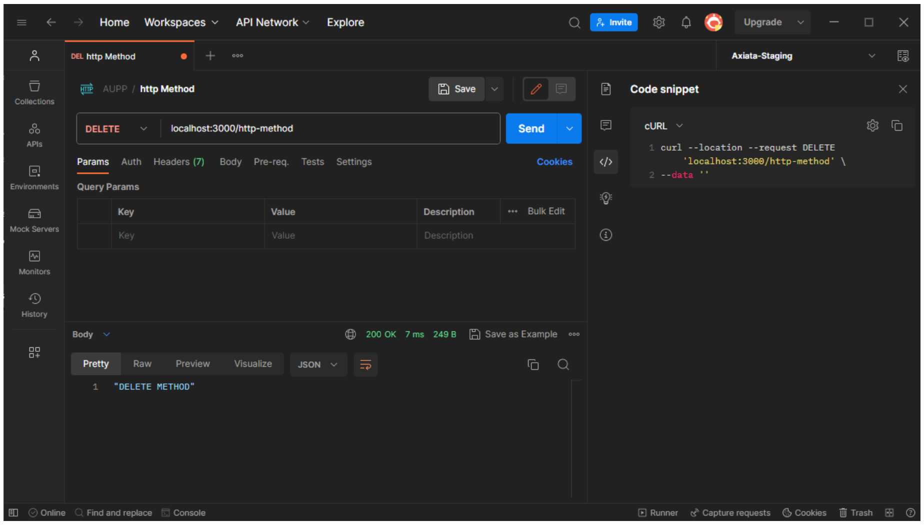
POST localhost:3000/http-method

```
curl --location --request POST
    'localhost:3000/http-method' \
--data ''
```

200 OK 7 ms 247 B

```
"POST METHOD"
```

Figure 3: image



DELETE localhost:3000/http-method

Key	Value	Description
Key	Value	Description

200 OK 7 ms 249 B

```
"DELETE METHOD"
```

```
curl --location --request DELETE
    'localhost:3000/http-method' \
--data ''
```

Figure 4: image

Assignment2: Login API

Match

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```

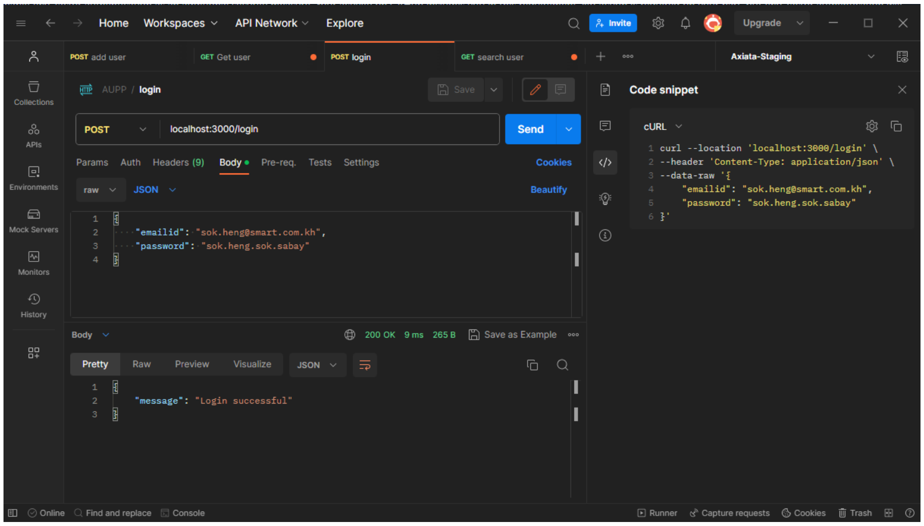
Mismatch

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay1"
}'
```

Assignment3: Docker Assignment create 4 API:

Add User

```
curl --location 'localhost:3000/add' \
--header 'Content-Type: application/json' \
--data-raw '{
    "empid": 1999,
```



POST localhost:3000/login Send

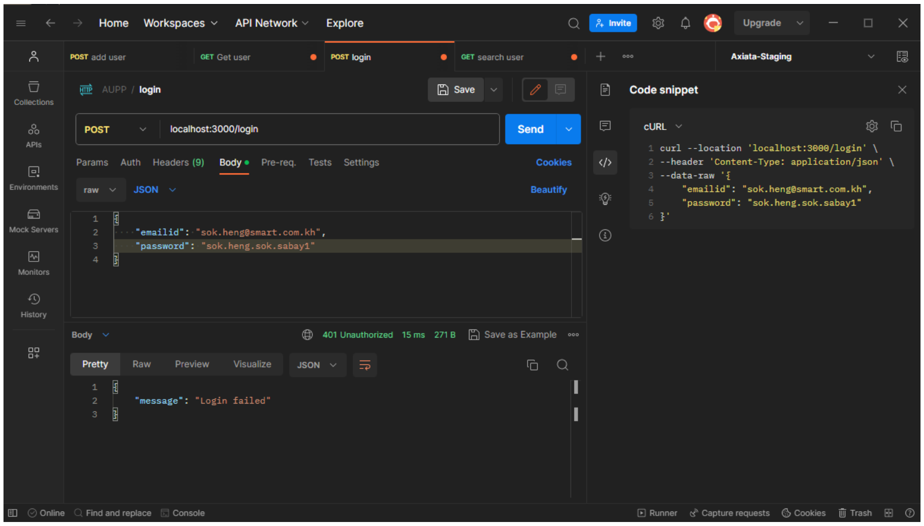
```
{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}
```

Body 200 OK 9 ms 265 B

```
{
    "message": "Login successful"
}
```

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```

Figure 5: image



POST localhost:3000/login Send

```
{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay1"
}
```

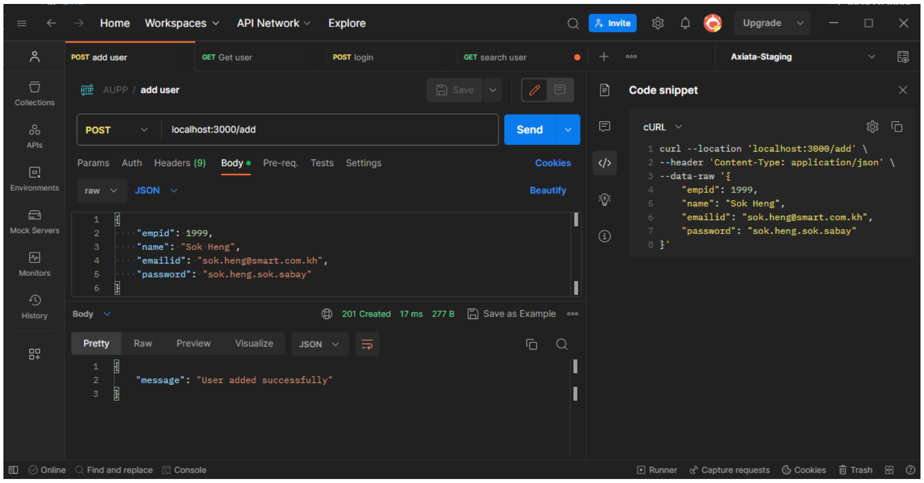
Body 401 Unauthorized 15 ms 271 B

```
{
    "message": "Login failed"
}
```

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay1"
}'
```

Figure 6: image

```
    "name": "Sok Heng",
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```



POST localhost:3000/add

```
{
    "empid": 1999,
    "name": "Sok Heng",
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}
```

Code snippet

cURL

```
curl --location 'localhost:3000/add' \
--header 'Content-Type: application/json' \
--data-raw '{
    "empid": 1999,
    "name": "Sok Heng",
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```

201 Created 17 ms 277 B

```
{
    "message": "User added successfully"
}
```

Figure 7: image

Get User

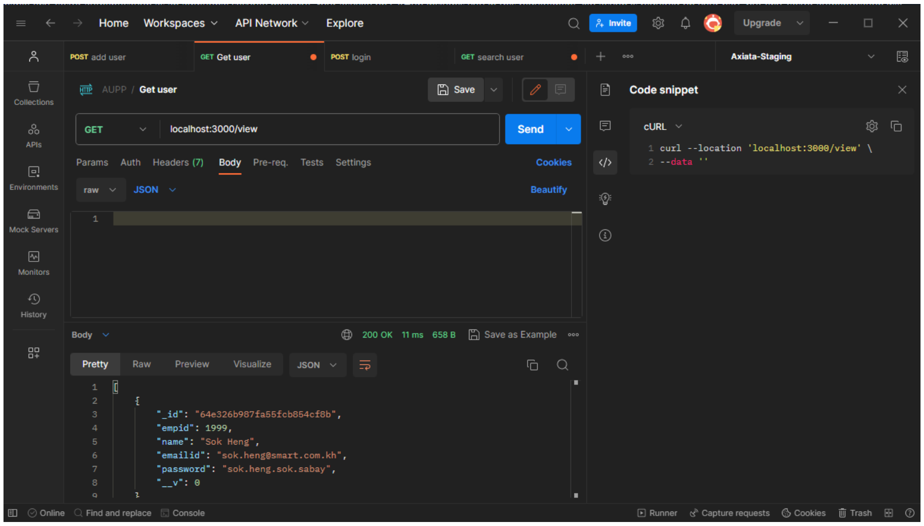
```
curl --location 'localhost:3000/view' \
--data ''
```

Login

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```

Search

```
curl --location --request GET 'localhost:3000/search/1999' \
--header 'Content-Type: application/json' \
--data-raw '{
    "empid": 1999,
    "name": "Sok Heng",
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```



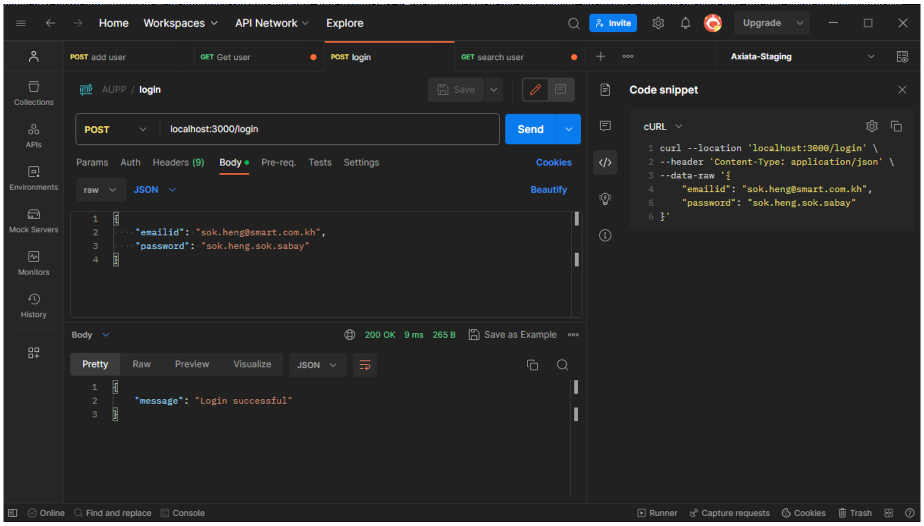
GET localhost:3000/view

```
curl --location 'localhost:3000/view' \
--data ''
```

200 OK 11 ms 658 B

```
[
    {
        "_id": "64e326b987fa55fcb854cf8b",
        "empid": 1999,
        "name": "Sok Heng",
        "emailid": "sok.heng@smart.com.kh",
        "password": "sok.heng.sok.sabay",
        "__v": 0
    }
```

Figure 8: image



POST localhost:3000/login

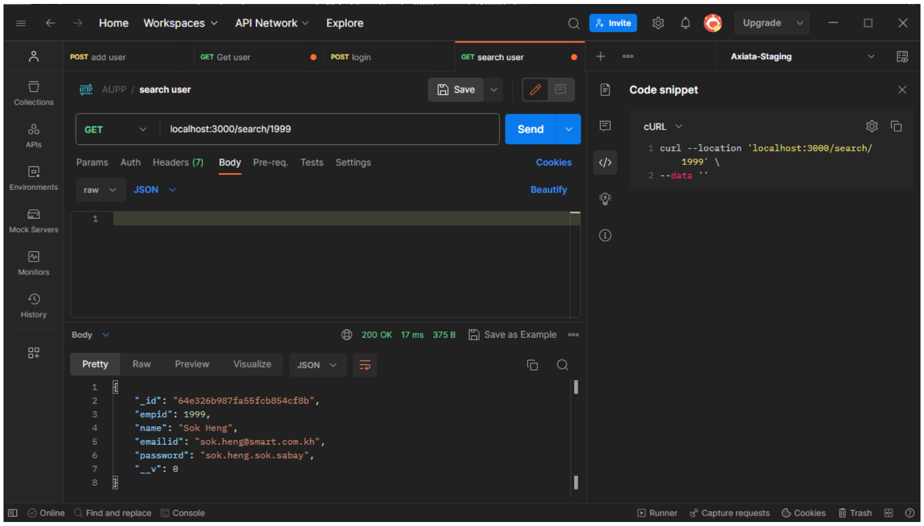
```
{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}
```

```
curl --location 'localhost:3000/login' \
--header 'Content-Type: application/json' \
--data-raw '{
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay"
}'
```

200 OK 9 ms 265 B

```
{
    "message": "Login successful"
}
```

Figure 9: image



GET localhost:3000/search/1999

```
curl --location 'localhost:3000/search/
    1999' \
--data ''
```

Body 200 OK 17 ms 375 B

```
{
    "_id": "64e326b987fa55fcb854cf8b",
    "empid": 1999,
    "name": "Sok Heng",
    "emailid": "sok.heng@smart.com.kh",
    "password": "sok.heng.sok.sabay",
    "__v": 0
}
```

Figure 10: image