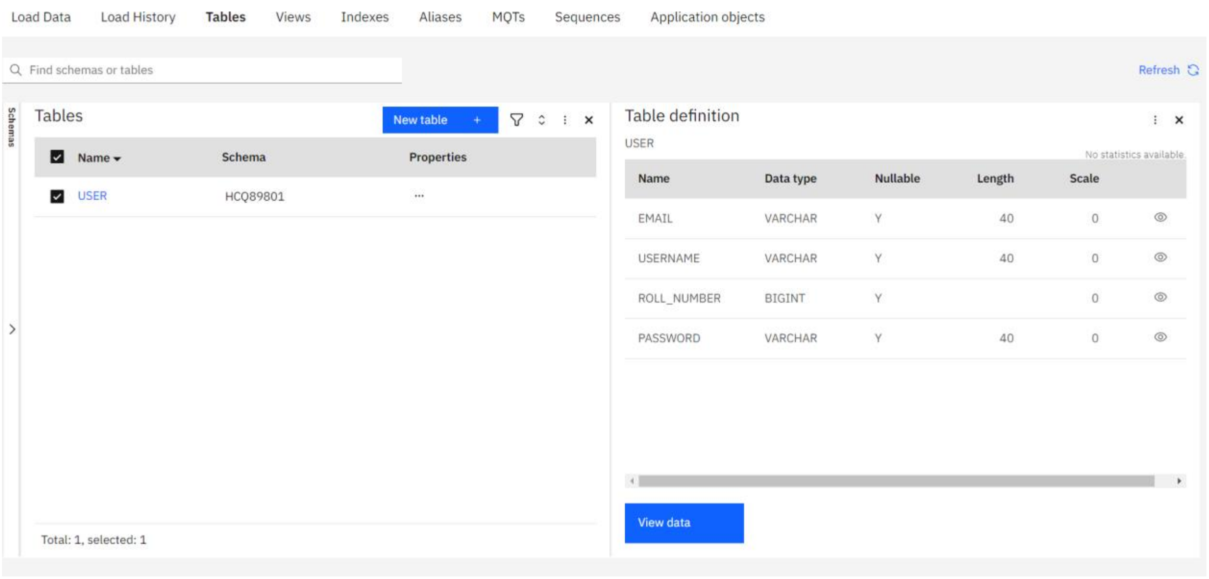
ASSIGNMENT-02

SANJANA. A

195001097

1.Create User table with user with email, username, roll number, password.

```
CREATE TABLE User(email VARCHAR(40),
username VARCHAR(40),
roll_number BIGINT,
password VARCHAR(40)
);
```



☑ Name ▾	Schema	Properties
☑ USER	HCQ89801	···

Total: 1, selected: 1

Table definition

USER

No statistics available.

Name	Data type	Nullable	Length	Scale
EMAIL	VARCHAR	Y	40	0
USERNAME	VARCHAR	Y	40	0
ROLL_NUMBER	BIGINT	Y		0
PASSWORD	VARCHAR	Y	40	0

INSERT INTO User (email, username, roll_number, password)

VALUES ('ranj@gmail.com','Ranji02', 195001089, 'Ranji@123');

INSERT INTO User (email, username, roll_number, password)

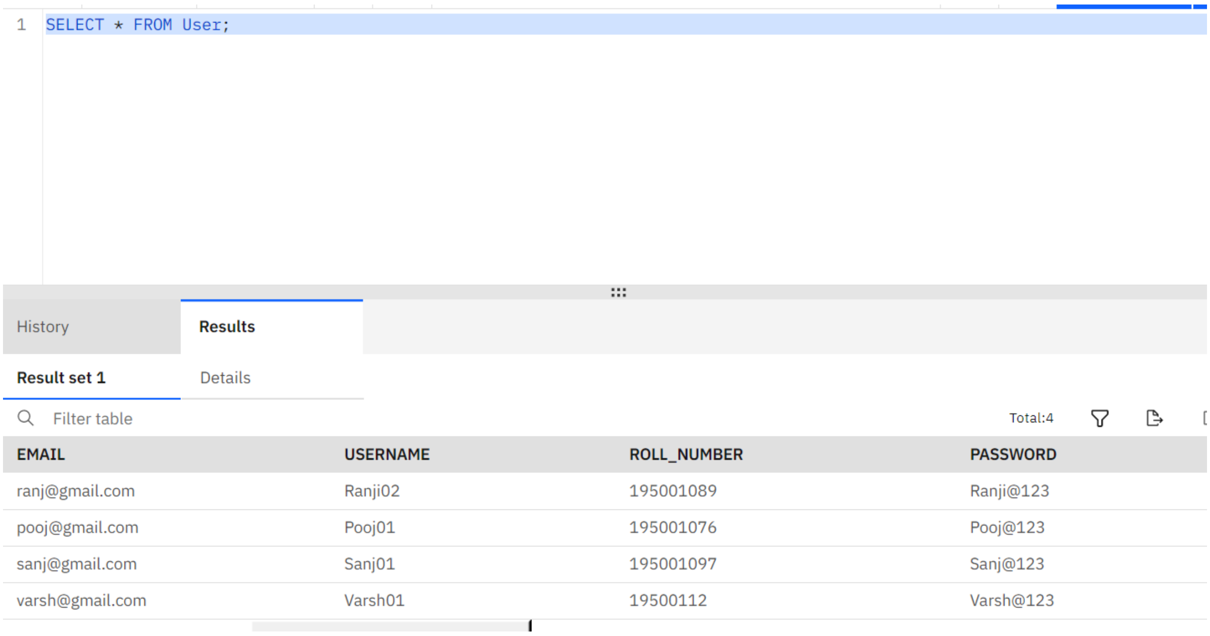
VALUES ('pooj@gmail.com','Pooj01', 195001076, 'Pooj@123');

INSERT INTO User (email, username, roll_number, password)

VALUES ('sanj@gmail.com','Sanj01', 195001097, 'Sanj@123');

INSERT INTO User (email, username, roll_number, password)

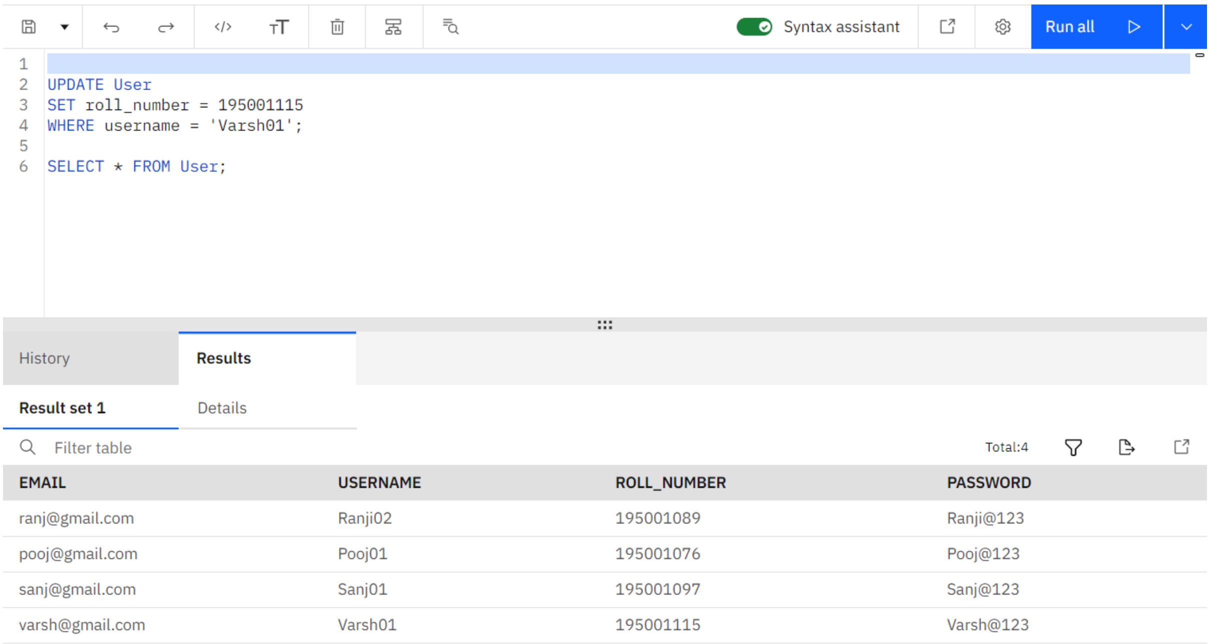
VALUES ('varsh@gmail.com','Varsh01', 19500112, 'Varsh@123');



```
SELECT * FROM User;
```

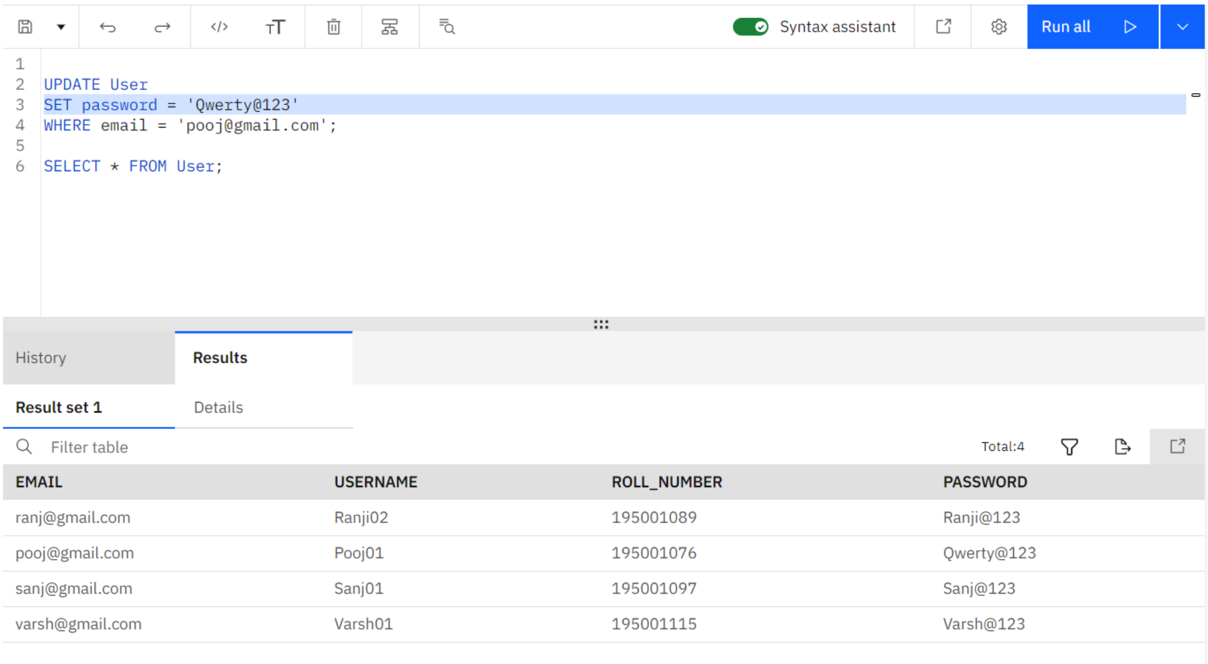
EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
ranj@gmail.com	Ranji02	195001089	Ranji@123
pooj@gmail.com	Pooj01	195001076	Pooj@123
sanj@gmail.com	Sanj01	195001097	Sanj@123
varsh@gmail.com	Varsh01	19500112	Varsh@123

2. Perform UPDATE,DELETE Queries with user table.



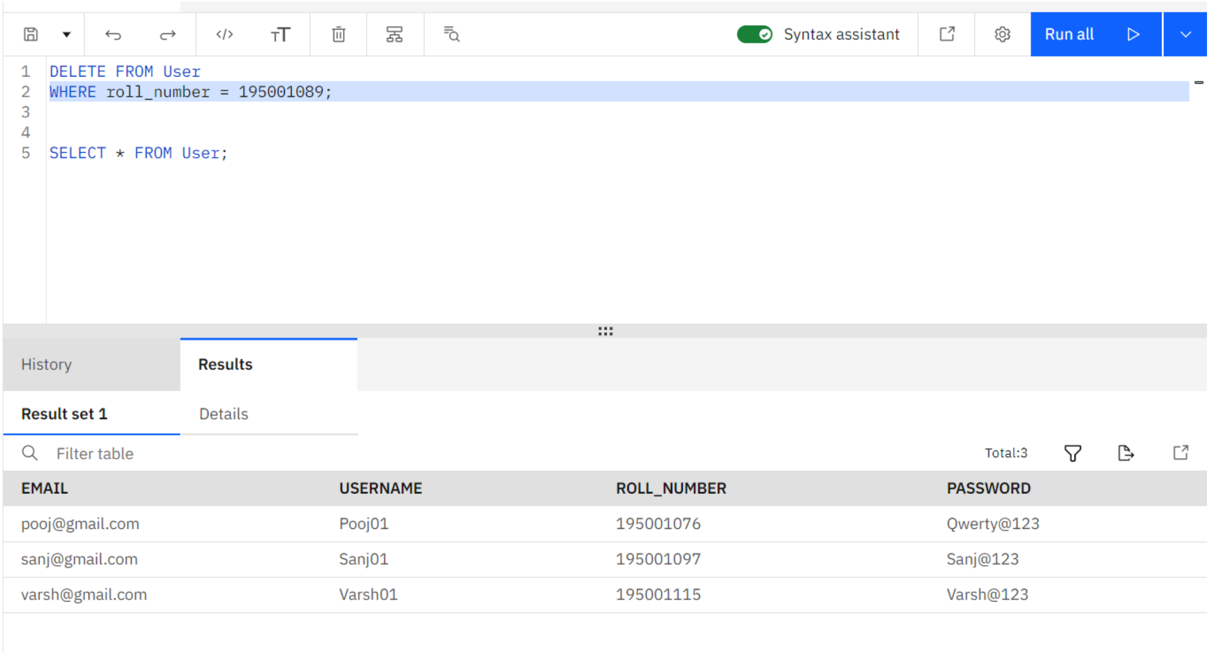
```sql

UPDATE User
SET roll_number = 195001115
WHERE username = 'Varsh01';

SELECT * FROM User;
```

EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
ranj@gmail.com	Ranji02	195001089	Ranji@123
pooj@gmail.com	Pooj01	195001076	Pooj@123
sanj@gmail.com	Sanj01	195001097	Sanj@123
varsh@gmail.com	Varsh01	195001115	Varsh@123



```sql

UPDATE User
SET password = 'Qwerty@123'
WHERE email = 'pooj@gmail.com';

SELECT * FROM User;
```

EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
ranj@gmail.com	Ranji02	195001089	Ranji@123
pooj@gmail.com	Pooj01	195001076	Qwerty@123
sanj@gmail.com	Sanj01	195001097	Sanj@123
varsh@gmail.com	Varsh01	195001115	Varsh@123



```sql
DELETE FROM User
WHERE roll_number = 195001089;


SELECT * FROM User;
```

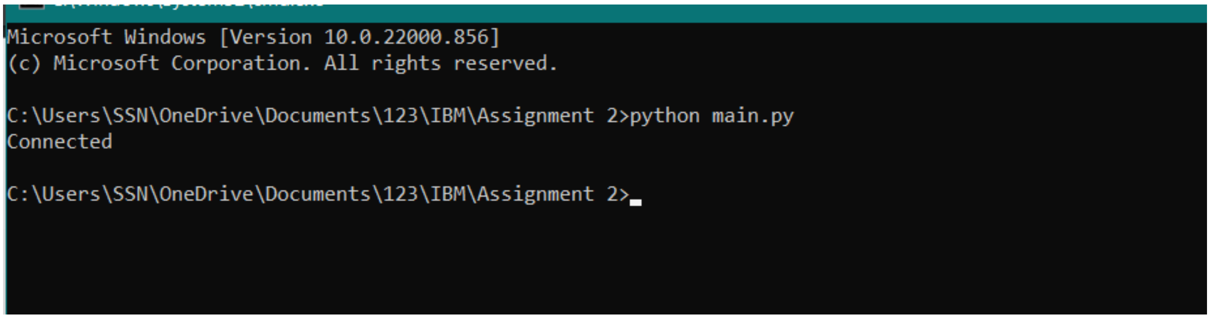
EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
pooj@gmail.com	Pooj01	195001076	Qwerty@123
sanj@gmail.com	Sanj01	195001097	Sanj@123
varsh@gmail.com	Varsh01	195001115	Varsh@123

3. Connect python code to db2.

Main.py:

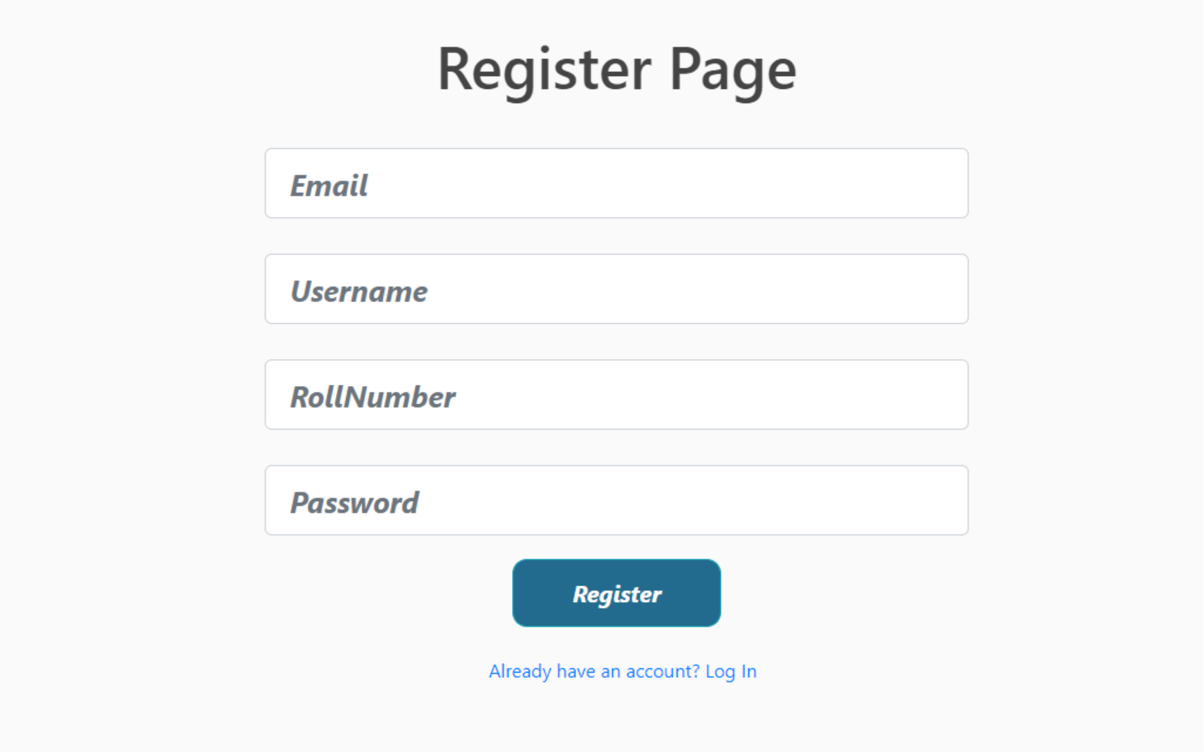
```python
import ibm_db

try:
    ibm_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=hcq89801;PWD=usAygURNqa4m1FSR", '', '')
    print("Connected")
except:
    print("Not Connected")
```

OUTPUT:

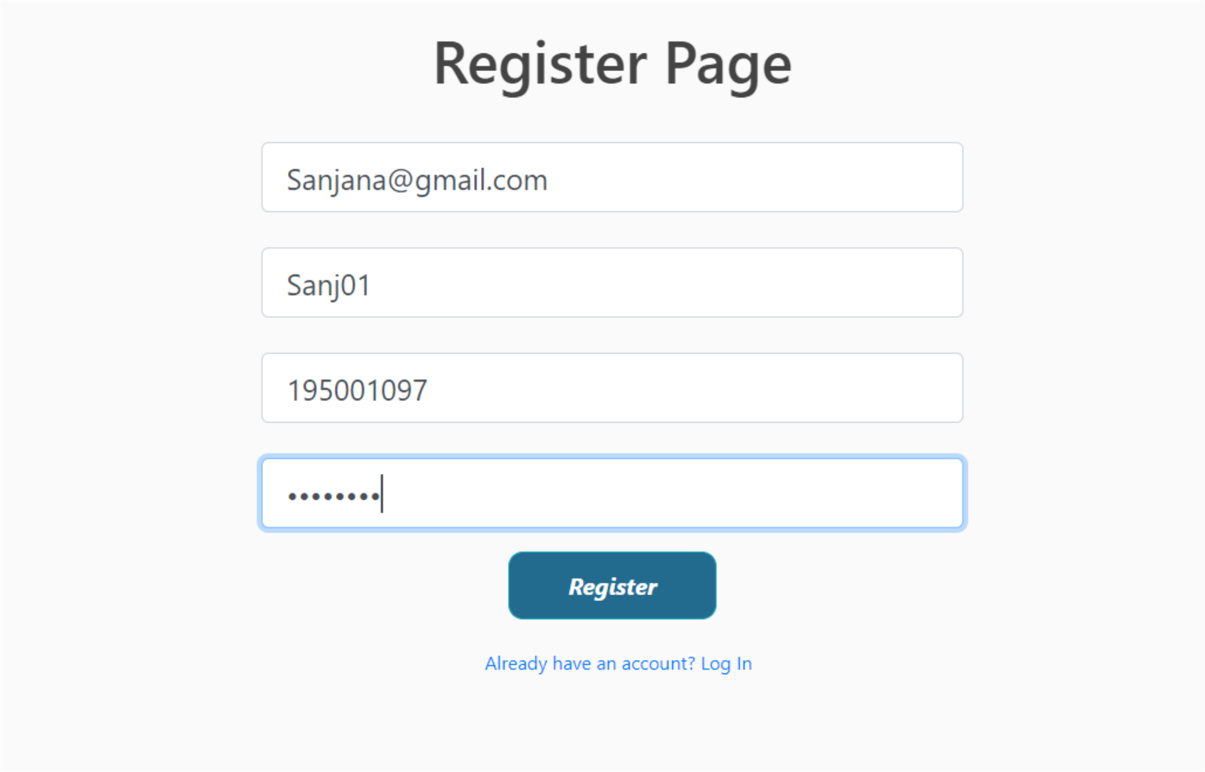


```
Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SSN\OneDrive\Documents\123\IBM\Assignment 2>python main.py
Connected

C:\Users\SSN\OneDrive\Documents\123\IBM\Assignment 2>_
```

4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.



Register Page



Register Page

Sanjana@gmail.com

Sanj01

195001097

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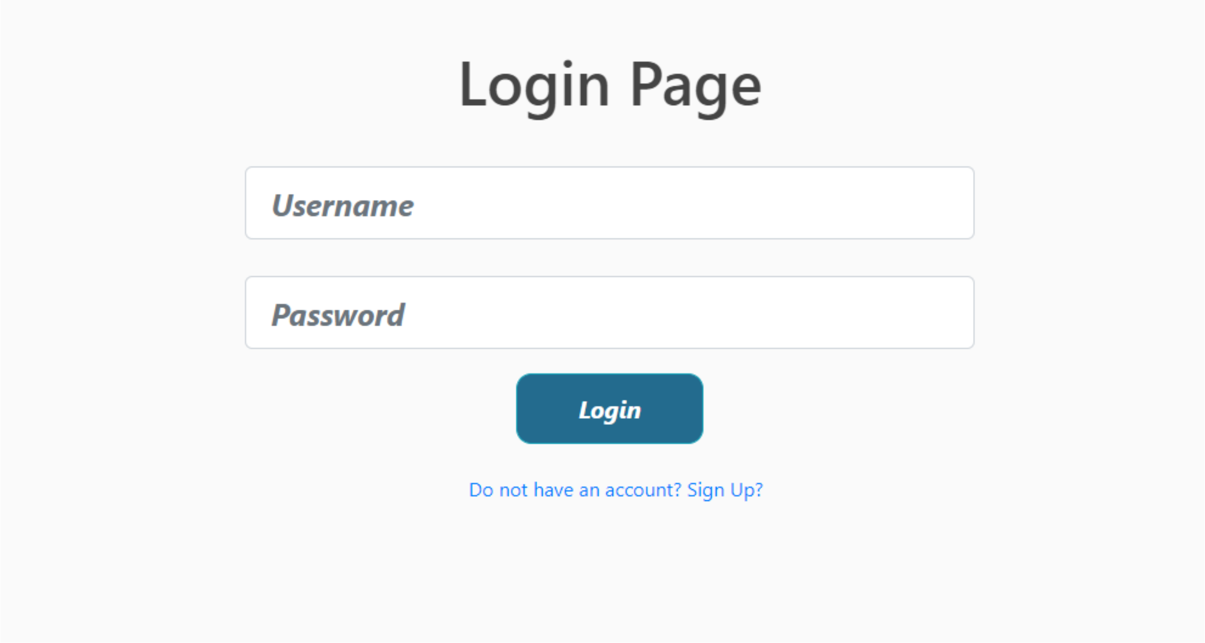
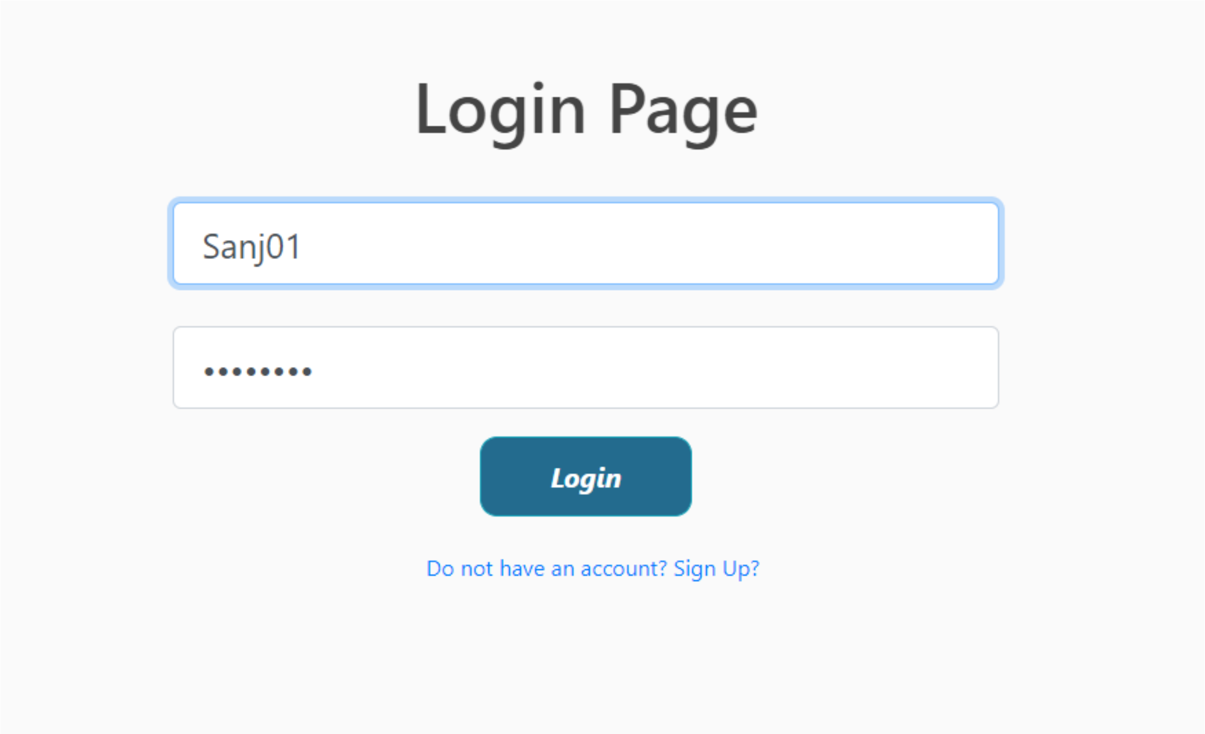


Login Page

Username

Password



Login Page

Sanj01

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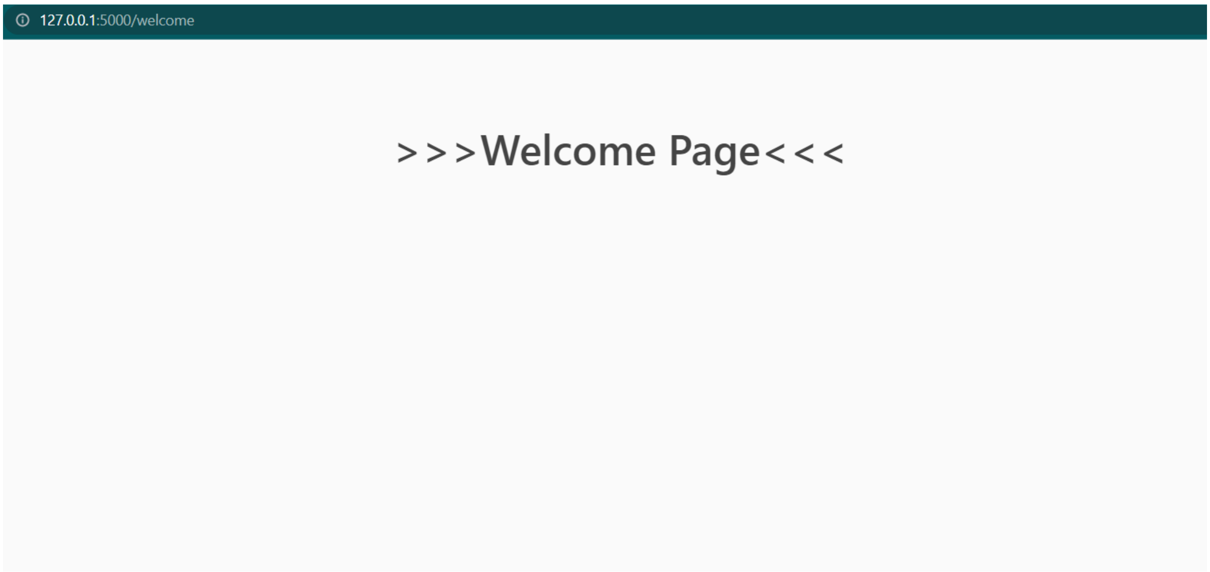
Do not have an account? Sign Up?



127.0.0.1:5000/welcome

>>>Welcome Page<<<