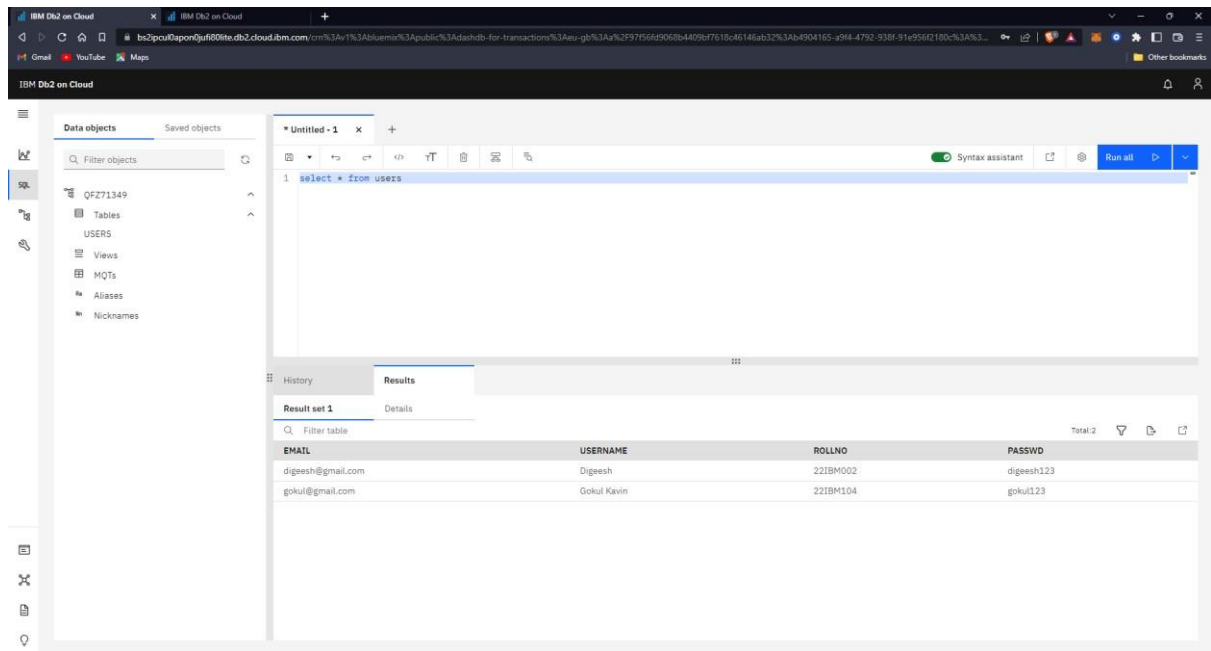


Assignment 2

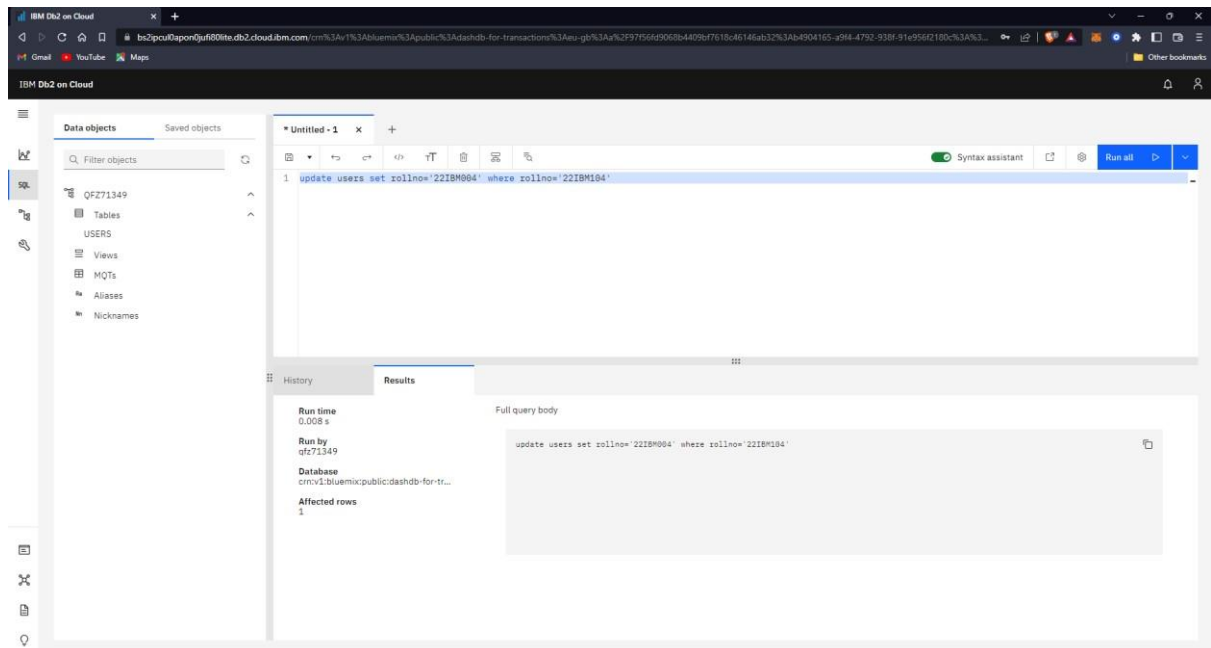
1. Create User table with user with email, username, roll number, password.



The screenshot shows the IBM Db2 on Cloud web interface. On the left, a sidebar displays the database structure with a tree view containing 'Tables', 'Views', 'MQTs', 'Aliases', and 'Nicknames'. The 'Tables' section is expanded, showing a table named 'USERS'. The main area is titled 'Untitled - 1' and contains a SQL query: `select * from users`. Below the query editor, the 'Results' tab is active, displaying a table with 4 columns: 'EMAIL', 'USERNAME', 'ROLLNO', and 'PASSWD'. The table contains two rows of data. The 'Total: 2' indicator is shown in the top right corner of the results area.

EMAIL	USERNAME	ROLLNO	PASSWD
digesh@gmail.com	Digesh	221BM002	digesh123
gokul@gmail.com	Gokul Kavin	221BM104	gokul123

2. Perform UPDATE,DELETE Queries with user table



The screenshot shows the IBM Db2 on Cloud web interface. The SQL query editor contains an UPDATE statement: `update users set rollno='221BM004' where rollno='221BM104'`. Below the query editor, the 'Results' tab is active, displaying execution details. The 'Run time' is 0.008 s, 'Run by' is qfz71349, 'Database' is cmv1bluemixpublicdashdb-for-tr..., and 'Affected rows' is 1. The 'Full query body' is also displayed.

Run time
0.008 s

Run by
qfz71349

Database
cmv1bluemixpublicdashdb-for-tr...

Affected rows
1

Full query body

```
update users set rollno='221BM004' where rollno='221BM104'
```

The screenshot shows the IBM Db2 on Cloud console. On the left, the 'Data objects' sidebar lists 'Tables', 'Views', 'MQTs', 'Aliases', and 'Nicknames'. The main editor displays a SQL query: `select * from users`. Below the editor, the 'Results' tab is active, showing a table with 4 columns: EMAIL, USERNAME, ROLLNO, and PASSWD. The table contains two rows of data.

EMAIL	USERNAME	ROLLNO	PASSWD
digesh@gmail.com	Digesh	22IBM002	digesh123
gokul@gmail.com	Gokul Kavin	22IBM004	gokul123

The screenshot shows the IBM Db2 on Cloud console with a SQL query: `delete from users where rollno='22IBM004'`. The 'Results' tab displays execution details: Run time 6.007 s, Run by qtz71349, Database cmv11blueixpublicdashdb-for-tr..., and Affected rows 1. The 'Full query body' section shows the same delete statement.

Run time
6.007 s

Run by
qtz71349

Database
cmv11blueixpublicdashdb-for-tr...

Affected rows
1

Full query body

```
delete from users where rollno='22IBM004'
```

The screenshot shows the IBM Db2 on Cloud console with the same SQL query: `select * from users`. The 'Results' tab shows the updated table, which now only contains one row of data, as the user with rollno '22IBM004' has been deleted.

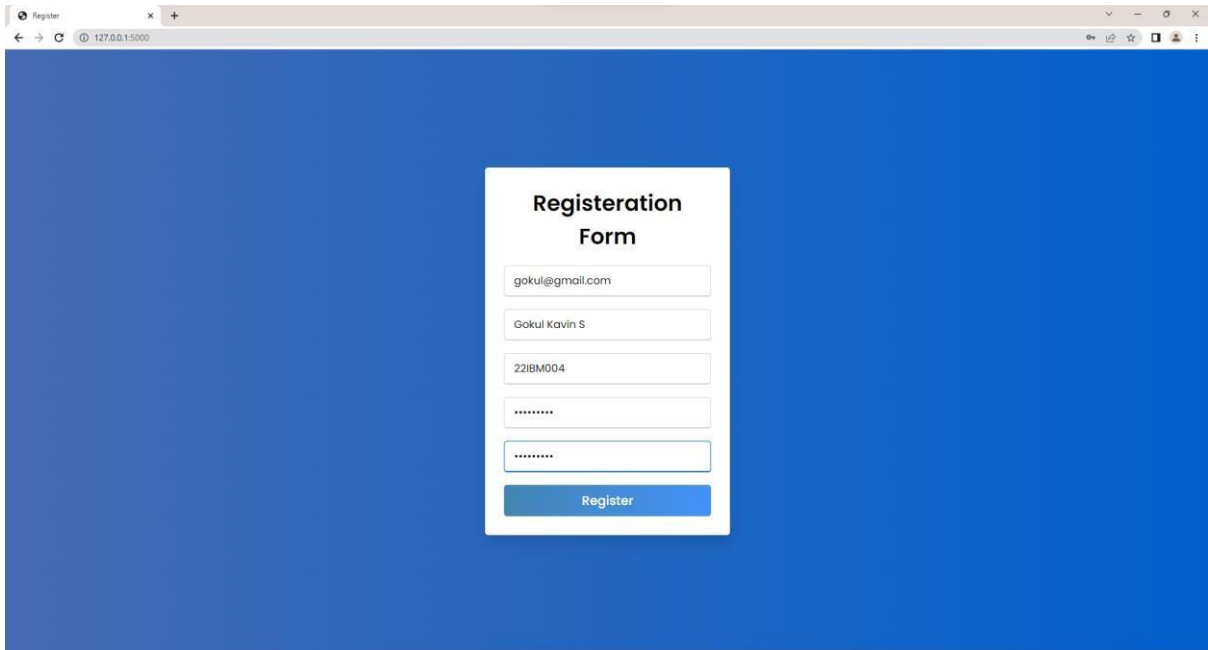
EMAIL	USERNAME	ROLLNO	PASSWD
digesh@gmail.com	Digesh	22IBM002	digesh123

3. Connect python code to db2. import ibm_db

```
conn=ibm_db.connect("DATABASE=bludb; HOSTNAME=<host name>PORT=<port number>;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=<user id>;PWD=<password>;", "", "")
```

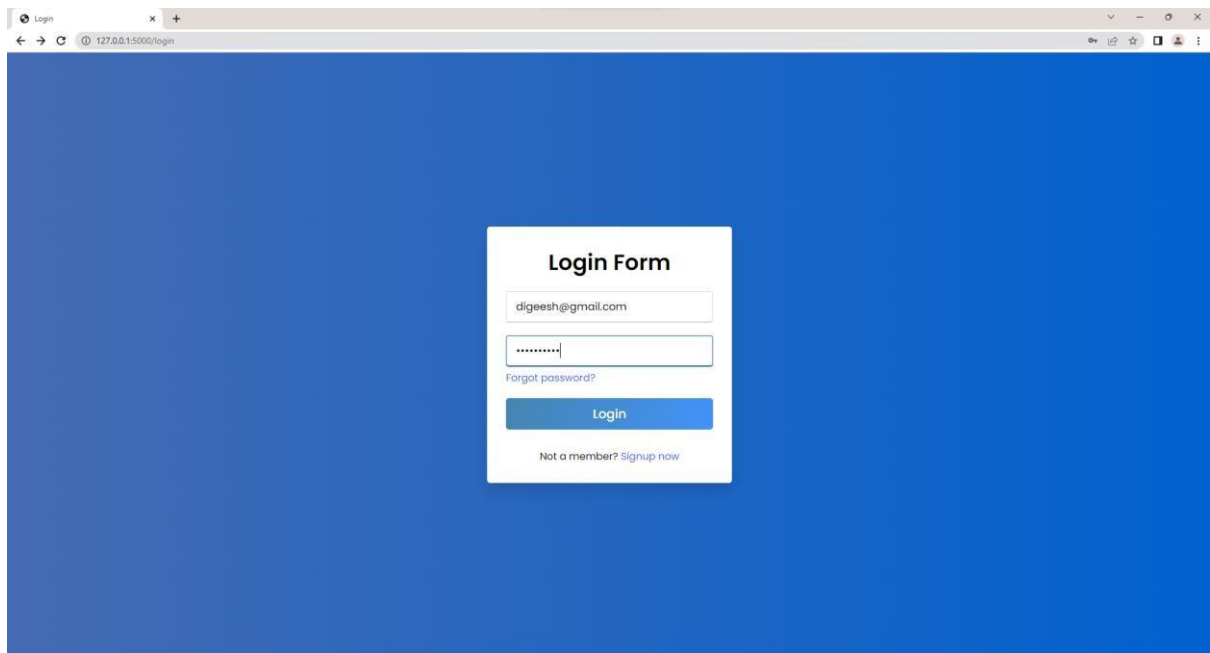
4. Create a flask app with registration page, login page and welcome page.

Registration Page



The screenshot shows a web browser window with a single tab titled 'Register'. The address bar displays '127.0.0.1:5000'. The main content area has a solid blue background. Centered on the page is a white rectangular box with a subtle drop shadow, titled 'Registration Form'. Inside this box, there are five input fields stacked vertically: the first contains 'gokul@gmail.com', the second 'Gokul Kavlin S', the third '22IBM004', and the next two are masked with '*****'. Below these fields is a blue button with the text 'Register' in white.

Login Page



127.0.0.1:5000/login

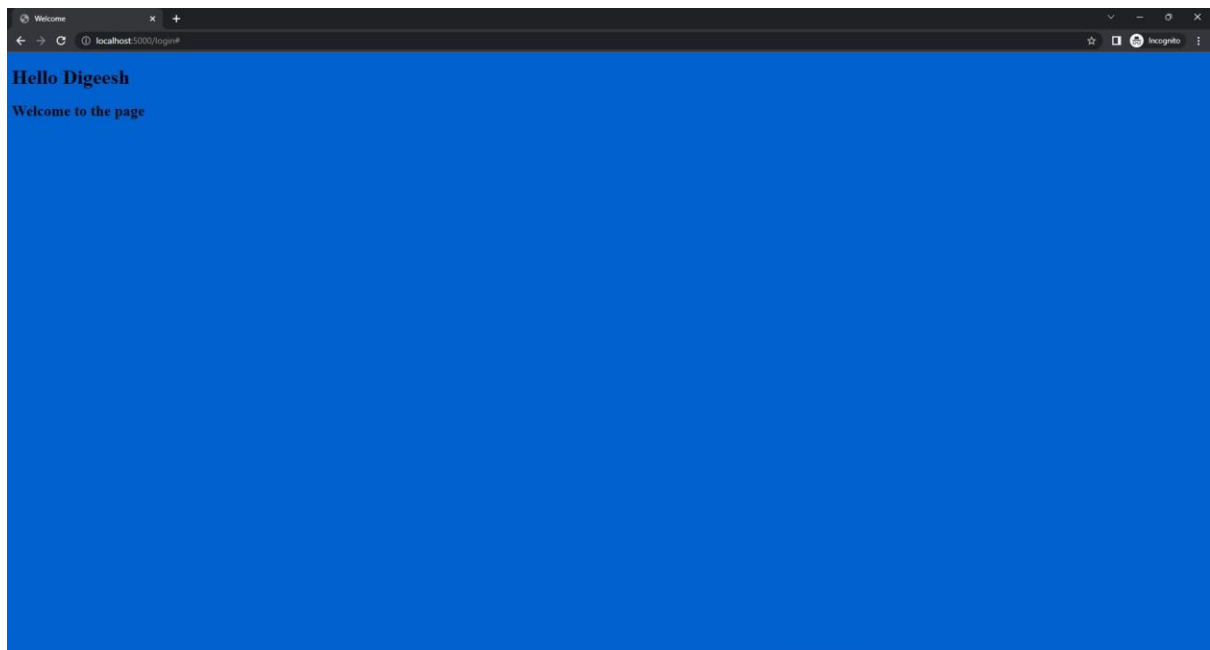
Login Form

[Forgot password?](#)

Login

[Not a member? Signup now](#)

Welcome Page



localhost:5000/login#

Hello Digeesh

Welcome to the page