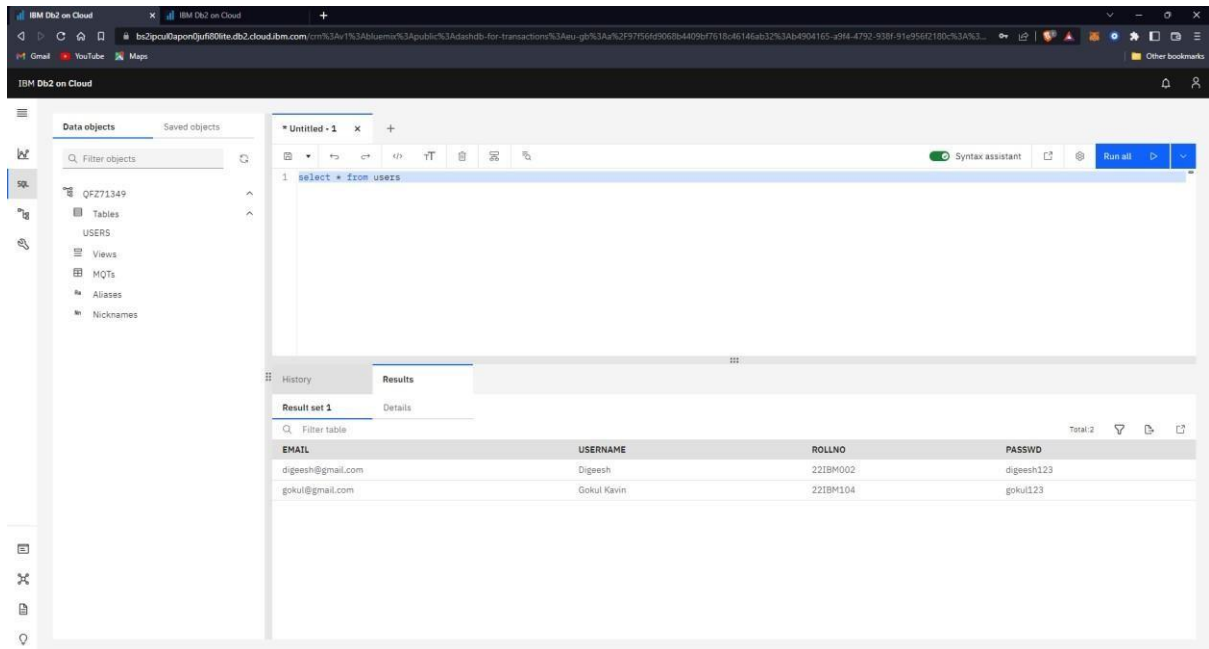


Assignment 2

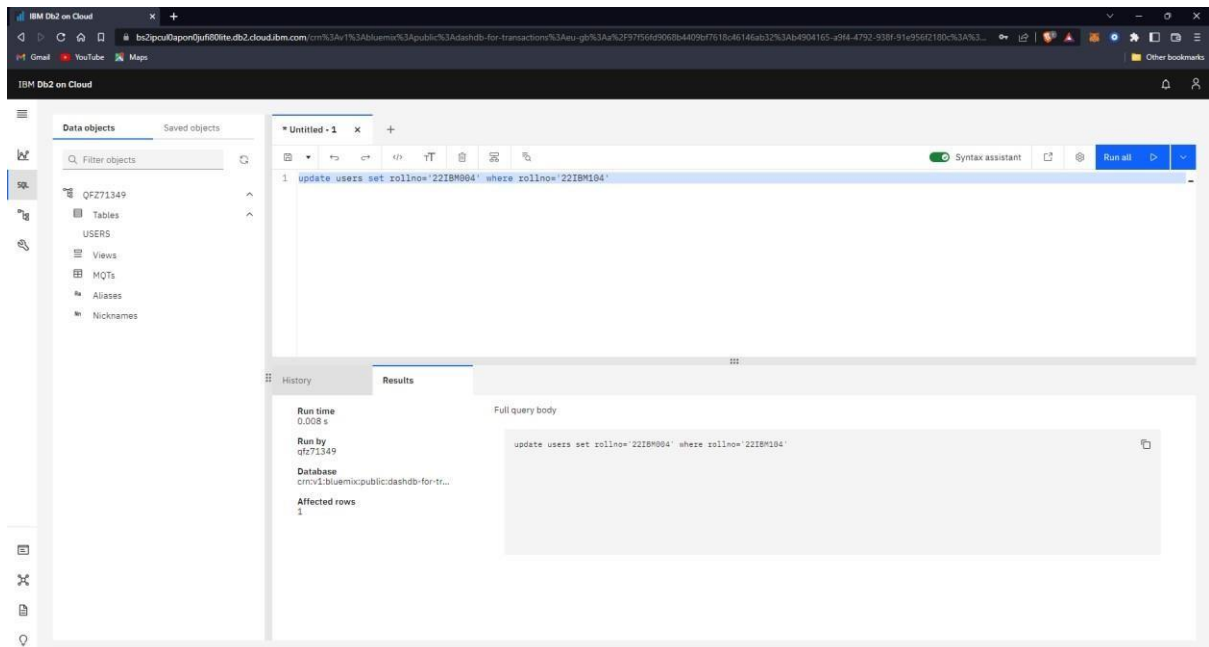
1. Create User table with user with email, username, roll number, password.



The screenshot shows the IBM Db2 on Cloud web interface. On the left, the 'Data objects' panel lists 'QFZ71349' with sub-items: Tables, USERS, Views, MQTs, Aliases, and Nicknames. The main editor area contains a SQL query: `select * from users`. Below the editor, the 'Results' tab is active, displaying 'Result set 1' with a table of 2 rows and 4 columns: EMAIL, USERNAME, ROLLNO, and PASSWD. The table contains data for 'digeesh@gmail.com' and 'gokul@gmail.com'.

EMAIL	USERNAME	ROLLNO	PASSWD
digeesh@gmail.com	Digeesh	22IBM002	digeesh123
gokul@gmail.com	Gokul Kavin	22IBM104	gokul123

2. Perform UPDATE,DELETE Queries with user table



The screenshot shows the IBM Db2 on Cloud web interface with an UPDATE query: `update users set rollno='22IBM004' where rollno='22IBM104'`. The 'Results' tab displays execution details: Run time (0.008 s), Run by (qfz71349), Database (crrv1:blueixpublicdashdb-for-st...), and Affected rows (1). The 'Full query body' is also shown.

Run time
0.008 s

Run by
qfz71349

Database
crrv1:blueixpublicdashdb-for-st...

Affected rows
1

Full query body

```
update users set rollno='22IBM004' where rollno='22IBM104'
```

The screenshot shows the IBM Db2 on Cloud console. On the left, the 'Data objects' sidebar lists 'QFZ71349' with sub-items: Tables, Views, MQTs, Aliases, and Nicknames. The main editor displays a SQL query: `select * from users`. The 'Results' tab is active, showing 'Result set 1' with a table of 2 rows and 4 columns: EMAIL, USERNAME, ROLLNO, and PASSWD. The total row count is 2.

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 0.007 s, Run by qfz71349, Database crm11blueicpublicdashdb-for-tr..., and Affected rows 1. The 'Full query body' is also shown.

Run time: 0.007 s
Run by: qfz71349
Database: crm11blueicpublicdashdb-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 'Result set 1' with a table of 1 row and 4 columns: EMAIL, USERNAME, ROLLNO, and PASSWD. The total row count is 1.

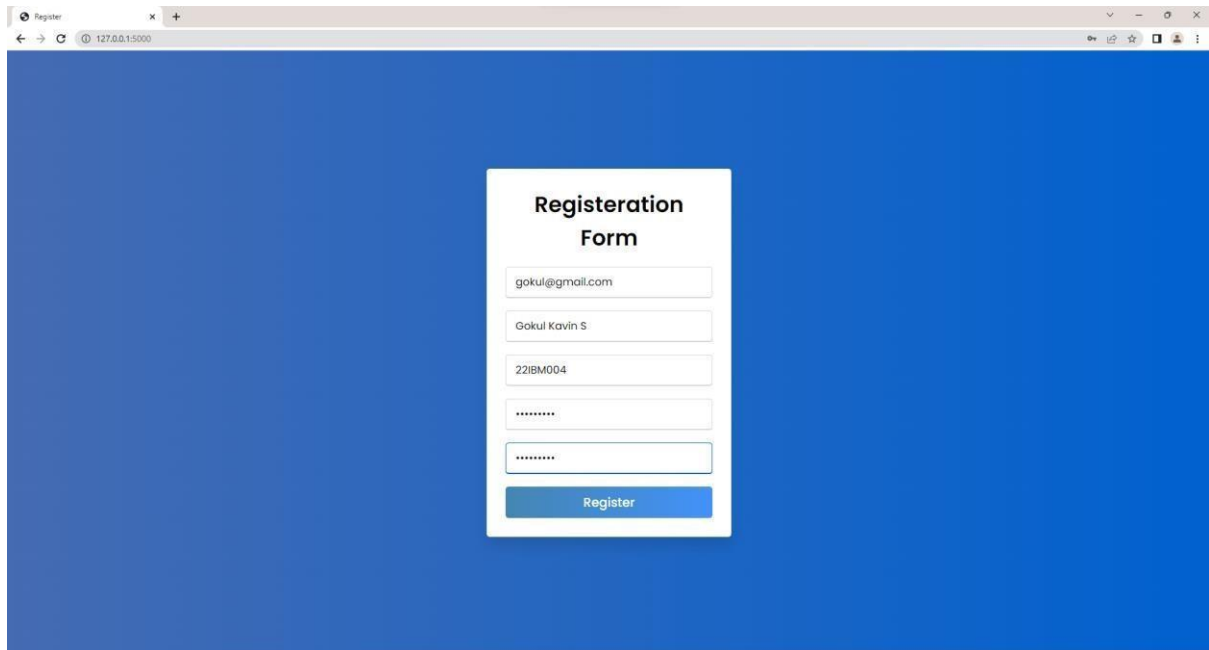
EMAIL	USERNAME	ROLLNO	PASSWD
digesh@gmail.com	Digesh	22IBM002	digesh123

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>;", "", "")
```

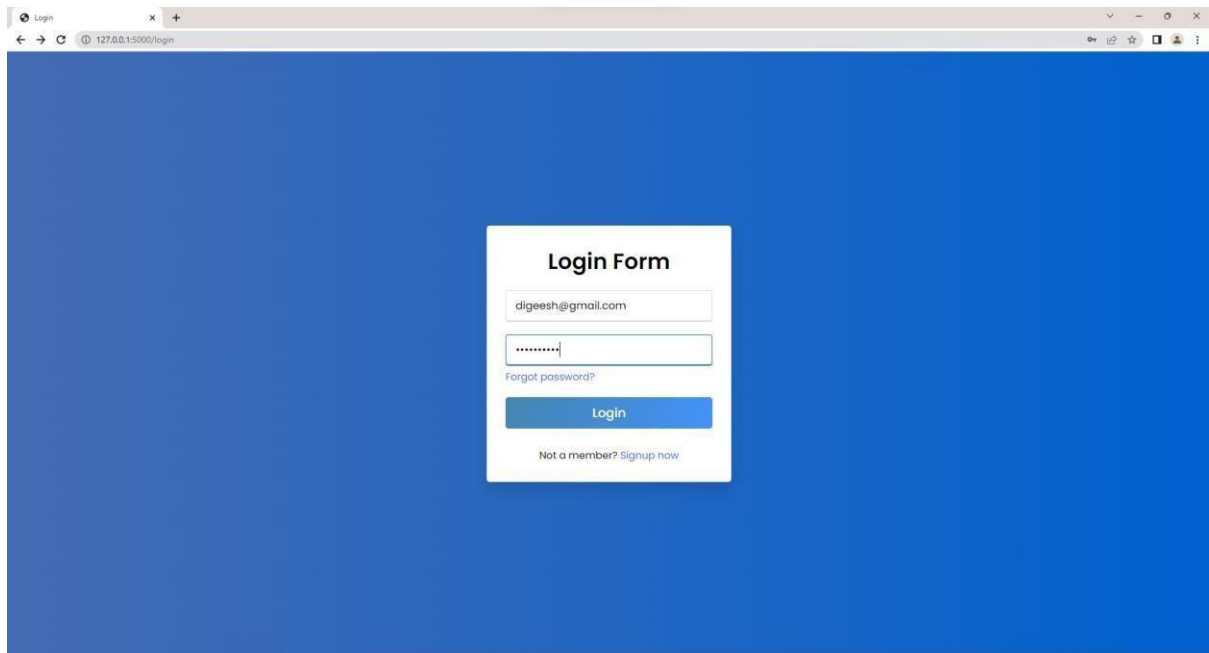
4. Create a flask app with registration page, login page and welcome page.

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 this background is a white rectangular box with a thin grey border. Inside this box, the text 'Registration Form' is displayed in bold black font. Below the title are five input fields: the first contains 'gokul@gmail.com', the second contains 'Gokul Kavin S', the third contains '22IBM004', and the next two contain masked text represented by seven asterisks. At the bottom of the white box is a blue button with the word 'Register' in white text.

Login Page



The screenshot shows a web browser window with the title 'Login'. The address bar displays '127.0.0.1:5000/login'. The page features a solid blue background. In the center, there is a white rectangular box titled 'Login Form'. Inside this box, there are two input fields: the first contains 'digeesh@gmail.com' and the second contains masked characters '*****'. Below the password field is a link that says 'Forgot password?'. At the bottom of the form is a blue button labeled 'Login'. Below the button is a link that says 'Not a member? Signup now'.

Welcome Page

