

# 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', 'USERS', 'Views', 'MQTs', 'Aliases', and 'Nicknames'. The main workspace is titled '\*Untitled - 1' and contains a SQL query: `select * from users`. Below the query editor, the 'Results' tab is active, showing 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 with an UPDATE query. The SQL editor contains the query: `update users set rollno='221BM004' where rollno='221BM104'`. The 'Results' tab is active, displaying execution details instead of a data table. The details include the run time (0.008 s), the user who ran the query (qtz71349), the database name (cmv1.bluemixpublicdashdb-for-tr...), and the number of affected rows (1). The full query body is also displayed in a code block.

Run time  
0.008 s

Run by  
qtz71349

Database  
cmv1.bluemixpublicdashdb-for-tr...

Affected rows  
1

Full query body

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

IBM Db2 on Cloud

Data objects Saved objects

Filter objects

QZ71349

- Tables
- Views
- MQTs
- Aliases
- Nicknames

\*Untitled - 1

```
1 select * from users
```

Syntax assistant Run all

History Results

Result set 1

Filter table

EMAIL	USERNAME	ROLLNO	PASSWD
digeesh@gmail.com	Digeesh	221BM002	digeesh123
gokul@gmail.com	Gokul Kavin	221BM004	gokul123

Total: 2

IBM Db2 on Cloud

Data objects Saved objects

Filter objects

QZ71349

- Tables
- Views
- MQTs
- Aliases
- Nicknames

\*Untitled - 1

```
1 delete from users where rollno='221BM004'
```

Syntax assistant Run all

History Results

Run time  
0.007 s

Run by  
qz71349

Database  
cmv1.bluemixpublicdashdb-for-tr...

Affected rows  
1

Full query body

```
delete from users where rollno='221BM004'
```

IBM Db2 on Cloud

Data objects Saved objects

Filter objects

QZ71349

- Tables
- Views
- MQTs
- Aliases
- Nicknames

\*Untitled - 1

```
1 select * from users
```

Syntax assistant Run all

History Results

Result set 1

Filter table

EMAIL	USERNAME	ROLLNO	PASSWD
digeesh@gmail.com	Digeesh	221BM002	digeesh123

Total: 1

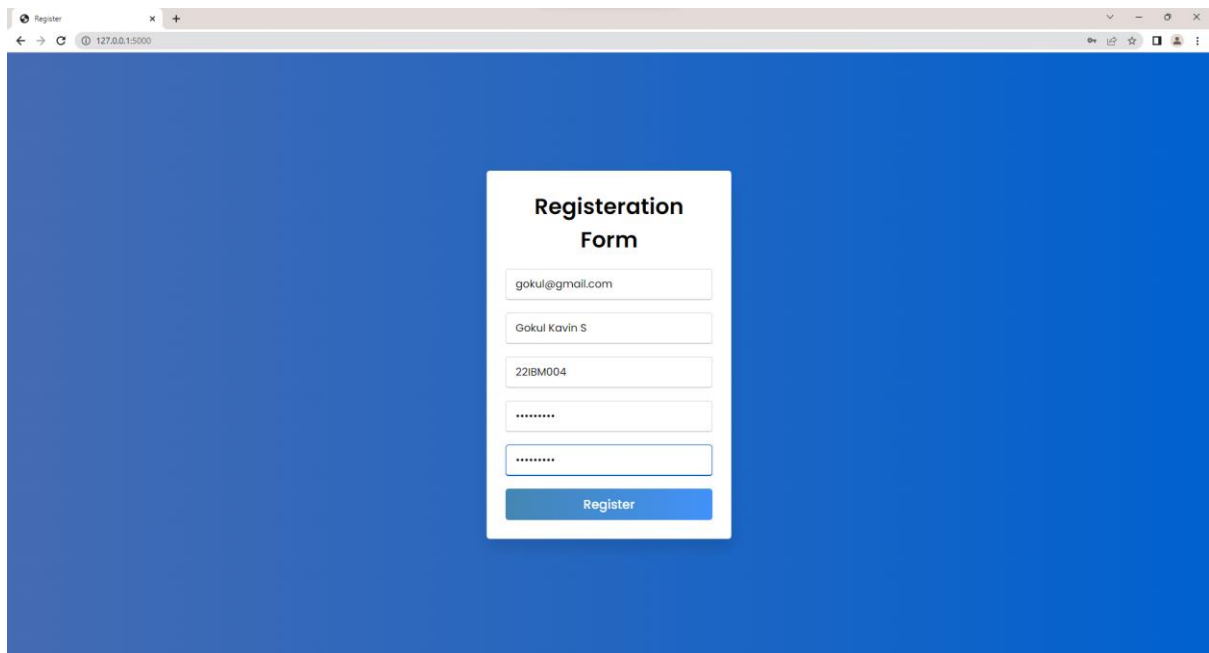
3. Connect python code to db2.

```
import ibm_db
```

```
conn=ibm_db.connect("DATABASE=bludb; HOSTNAME=<host name>PORT=<port  
number>;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=<us  
er 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 containing the 'Registration Form'. The form has a title 'Registration Form' in bold. It includes five input fields: an email field with 'gokul@gmail.com', a name field with 'Gokul Kavlin S', a user ID field with '22IBM004', and two password fields, both masked with '\*\*\*\*\*'. At the bottom of the form is a blue button labeled 'Register'.

## Login Page

Login

127.0.0.1:5000/login

### Login Form

digeesh@gmail.com

.....

[Forgot password?](#)

Login

[Not a member? Signup now](#)

## Welcome Page

Welcome

localhost:5000/login#

Incognito

Hello Digeesh

Welcome to the page