```
CREATE TABLE user (
roll_number int,
username varchar(300),
email varchar(300),
 password varchar(300)
);
```

```
CREATE TABLE user (
 roll_number int,
username varchar(300),
email varchar(300),
 password varchar(300)
);
```

Output

SQL query successfully executed. However, the result set is empty.

Perform UPDATE, DELETE Queries with user table

INSERT INTO user(roll_number, username ,email, password) VALUES(1, 'Ghajana', 'ghajan@gmail.com','ghajana55'),(2, 'Dharshana', 'dharshana@gmail.com','dharshana10'),(3, 'Darshikka', 'darshikka@gmail.com','darshikka41'),(4, 'Dharani', 'dharani@gmail.com','dharani123');

```
INSERT INTO user(roll_number, username ,email, password) VALUES(1, 'Ghajana', 'ghajan@gmail.com','ghajana55'),(2, 'Dharshana',
'dharshana@gmail.com','dharshana10'),(3, 'Darshikka', 'darshikka@gmail.com','darshikka41'),(4, 'Dharani',
'dharani@gmail.com','dharani123');
```

Output

SQL query successfully executed. However, the result set is empty.

User

roll_number	username	email	password
1	Ghajana	ghajan@gmail.com	ghajana55
2	Dharshana	dharshana@gmail.com	dharshana10
3	Darshikka	darshikka@gmail.com	darshikka41
4	Dharani	dharani@gmail.com	dharani123

UPDATE Statement:

UPDATE user

SET username = 'Ghajana'

WHERE roll_number = '2'

```
INSERT INTO user(roll_number, username ,email, password) VALUES(1, 'Ghajana', 'ghajan@gmail.com','ghajana55'),(2, 'Dharshana',
'dharshana@gmail.com','dharshana10'),(3, 'Darshikka', 'darshikka@gmail.com','darshikka41'),(4, 'Dharani',
'dharani@gmail.com','dharani123');
UPDATE user
 SET username = 'Ghajana'
 WHERE roll_number = '2';
```
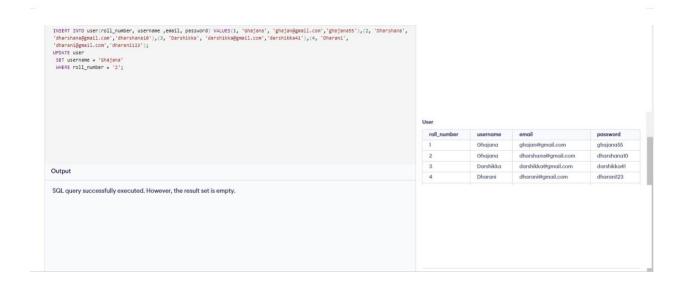
Output

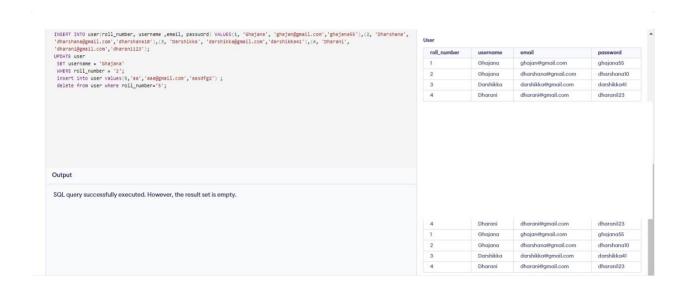SQL query successfully executed. However, the result set is empty.

User

roll_number	username	email	password
1	Ghajana	ghajan@gmail.com	ghajana55
2	Ghajana	dharshana@gmail.com	dharshana10
3	Darshikka	darshikka@gmail.com	darshikka41
4	Dharani	dharani@gmail.com	dharani123

Insert Statement:

Insert into users values(5,'aa','aaa@gmail.com','aasdfg2') ;

```
INSERT INTO user(roll_number, username ,email, password) VALUES(1, 'Ghajana', 'ghajan@gmail.com','ghajana55'),(2, 'Dharshana',
'dharshana@gmail.com','dharshana10'),(3, 'Darshikka', 'darshikka@gmail.com','darshikka41'),(4, 'Dharani',
'dharani@gmail.com','dharani123');
UPDATE user
 SET username = 'Ghajana'
 WHERE roll_number = '2';
 insert into user values(5,'aa','aaa@gmail.com','aasdfg2') ;
```

Output

SQL query successfully executed. However, the result set is empty.

1	Ghajana	ghajan@gmail.com	ghajana55
2	Ghajana	dharshana@gmail.com	dharshana10
3	Darshikka	darshikka@gmail.com	darshikka41
4	Dharani	dharani@gmail.com	dharani123
5	aa	aaa@gmail.com	aasdfg2

DELETE Statement:

Delete from user where roll_number='5';

```
INSERT INTO user(roll_number, username ,email, password) VALUES(1, 'Ghajana', 'ghajan@gmail.com','ghajana55'),(2, 'Dharshana',
'dharshana@gmail.com','dharshana10'),(3, 'Darshikka', 'darshikka@gmail.com','darshikka41'),(4, 'Dharani',
'dharani@gmail.com','dharani123');
UPDATE user
 SET username = 'Ghajana'
 WHERE roll_number = '2';
 insert into user values(5,'aa','aaa@gmail.com','aasdfg2') ;
 delete from user where roll_number='5';
```

User

roll_number	username	email	password
1	Ghajana	ghajan@gmail.com	ghajana55
2	Ghajana	dharshana@gmail.com	dharshana10
3	Darshikka	darshikka@gmail.com	darshikka41
4	Dharani	dharani@gmail.com	dharani123

Output

SQL query successfully executed. However, the result set is empty.

4	Dharani	dharani@gmail.com	dharani123
1	Ghajana	ghajan@gmail.com	ghajana55
2	Ghajana	dharshana@gmail.com	dharshana10
3	Darshikka	darshikka@gmail.com	darshikka41
4	Dharani	dharani@gmail.com	dharani123

Connect python with db2

```
Conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-
9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SE
CURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2s
BgIRhVN",' ','')
```

```
From flask import Flask, render_template, request, redirect, url_for, session

From flask_mysqldb import MySQL

Import MySQLdb.cursors

Import reapp = Flask(__name__)

App.secret_key = 'your secret key'

App.config['MYSQL_HOST'] = 'localhost'

App.config['MYSQL_USER'] = 'root'

App.config['MYSQL_PASSWORD'] = 'your password'
```

```python
App.config['MYSQL_DB'] = 'geeklogin'

Mysql = MySQL(app)

@app.route('/')
@app.route('/login', methods =['GET', 'POST'])

Def login():

Msg = ''if request.method == 'POST' and 'username' in request.form and 'password' in

Request.form:

Username = request.form['username']

Password = request.form['password']

Cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)

Cursor.execute('SELECT * FROM accounts WHERE username = % s AND password

= % s', (username, password, ))

Account = cursor.fetchone()

If account:

Session['loggedin'] = True
```

```python
Session['id'] = account['id']

Session['username'] = account['username']

Msg = 'Logged in successfully !'

Return render_template('index.html', msg = msg)

Else:

Msg = 'Incorrect username / password !'

Return render_template('login.html', msg = msg)

@app.route('/logout')

Def logout():

Session.pop('loggedin', None)

Session.pop('id', None)

Session.pop('username', None)

Return redirect(url_for('login'))
@app.route('/register', methods =['GET', 'POST'])

Def register():
```

```
Msg = ''

If request.method == 'POST' and 'username' in request.form and 'password' in request.form

And 'email' in request.form :

Username = request.form['username']

Password = request.form['password']

Email = request.form['email']

Cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)

Cursor.execute('SELECT * FROM accounts WHERE username = % s', (username, ))

Account = cursor.fetchone()

If account:

Msg = 'Account already exists !'

Elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):

Msg = 'Invalid email address !'

Elif not re.match(r'[A-Za-z0-9]+', username):
```

Msg = 'Username must contain only characters and numbers !'

Elif not username or not password or not email:

Msg = 'Please fill out the form !'

Else:

Cursor.execute('INSERT INTO accounts VALUES (NULL, % s, % s, % s)',

(username, password, email,))

Mysql.connection.commit()

Msg = 'You have successfully registered !'

Elif request.method == 'POST':

Msg = 'Please fill out the form !'

Return render_template('register.html', msg = msg)

Register

Enter Your Username

Enter Your Password

Enter Your Email ID

Sign Up

Already have an account? Sign In here

Login

Enter Your Username

Enter Your Password

Sign In

Don't have an account? Sign Up here

Index

Hi user!!

Welcome to the index page...

Logout