

```
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', 'ghajana@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	ghajana@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';
```

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

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
```

```
BglRhVN",',')
```

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

```
From flask_mysqlldb 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'
```

```
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
```

```
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

