Date 19 SEPTEMBER 2022
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Maximum mark 2

ASSIGNMENT -2

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

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

2. Perform UPDATE, DELETE Queries with user table

INSERT Statement:

```
INSERT INTO user

( roll_number, username ,email, password) VALUES

(1, 'Aburva', 'aburva@gmail.com','Aburva 007'),

(2, 'Ashifa', 'ashifa@gmail.com','Ashifa007'),


(3, 'Deebu', 'deebu@gmail.com', 'Deebu123'),

(4, 'Thahir', 'thahir@gmail.com', 'Thahir23');
```

UPDATE Statement:

```
UPDATE users

SET username = 'Aburva'

WHERE roll_number = '4'
```

DELETE Statement:

```
insert into user values(4,'aa','aaa@gmail.com','aasdfg2') ; delete

from user where roll_number='4'
```

3.Connect python with db2 conn =

```
ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d
99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;P
ORT=3
0119;SECURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD
=B snsG1l2sBgIRhVN",' ','')
```

4.create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields, store the data in the database and navigate to the login page to authenticate user username and password. if the user is valid show the welcome page

```
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'

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-z09]+', 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)
```