Assignment-2

Team ID	PNT2022TMID30883
Project Name	Skill and Job Recommender

Question 1: Create User table with username , email , roll number and password.
QUERY:

CREATE TABLE USERS(

empId INTEGER PRIMARY KEY,

ROLL NO TEXT NOT NULL,

USERNAME TEXT NOT NULL,

EMAIL ID TEXT NOT NULL,
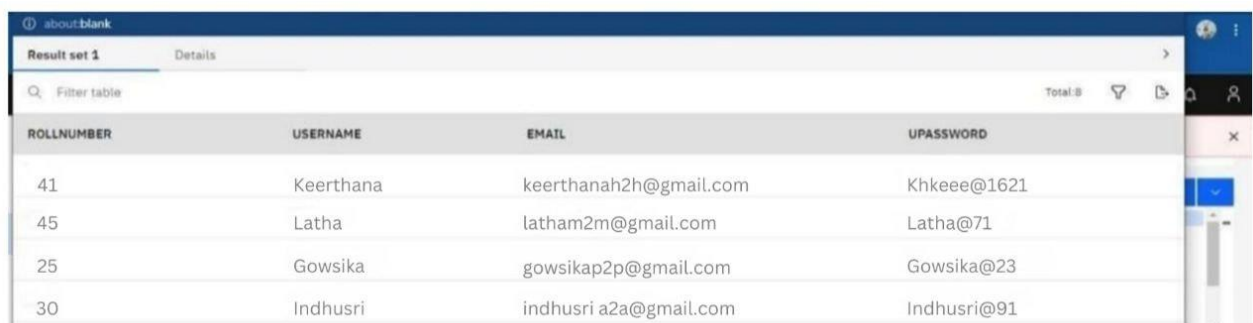
PASSWORD TEXT NOT NULL

);

INSERT INTO USERS VALUES(01,'Keerthana','keerthana16h2h@gmail.com','Khkeee@1621');

INSERT INTO USERS VALUES(02,'Latha','latham2m@gmail.com','Latha@71');

INSERT INTO USERS VALUES(03,'Gowsika','gowsikap2p@gmail.com','Gowsika@23');

INSERT INTO USERS VALUES(04,'Indhusri','indhusria2a@gmail.com','Indhusri@91');

SELECT * FROM USERS;

ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
41	Keerthana	keerthanah2h@gmail.com	Khkeee@1621
45	Latha	latham2m@gmail.com	Latha@71
25	Gowsika	gowsikap2p@gmail.com	Gowsika@23
30	Indhusri	indhusri a2a@gmail.com	Indhusri@91

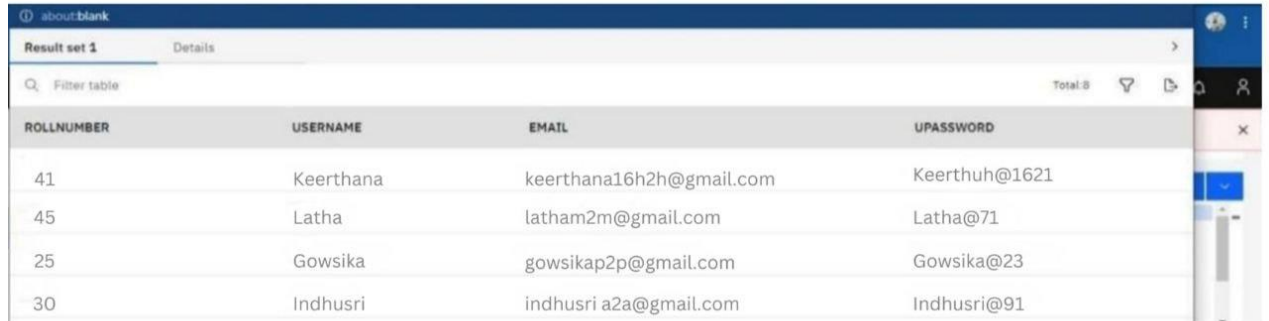2. Perform UPDATE, DELETE Queries with user table.

Updation:

UPDATE USERS

SET SET Email

='keerthana16h2h@gmail.com'

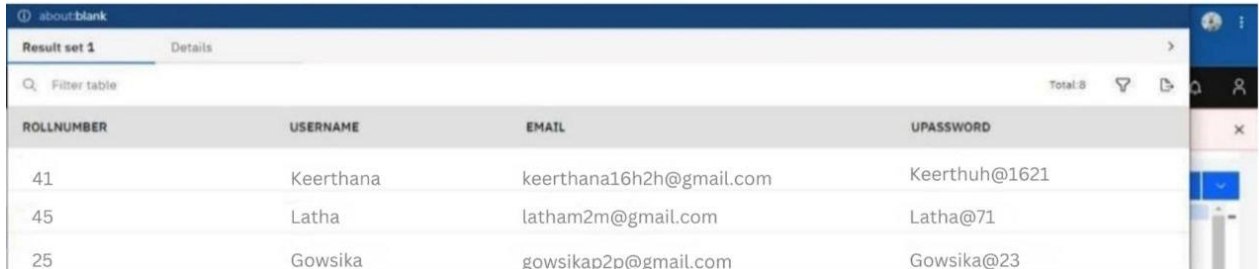WHERE RollNumber=01;

UPDATE USERS

SET Password='Keerthuh@1621'

ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
41	Keerthana	keerthana16h2h@gmail.com	Keerthuh@1621
45	Latha	latham2m@gmail.com	Latha@71
25	Gowsika	gowsikap2p@gmail.com	Gowsika@23
30	Indhusri	indhusri a2a@gmail.com	Indhusri@91

Result set 1   Details

Total:8

Deletion:

DELETE FROM USERS

WHERE RollNumber=04;

ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
41	Keerthana	keerthana16h2h@gmail.com	Keerthuh@1621
45	Latha	latham2m@gmail.com	Latha@71
25	Gowsika	gowsikap2p@gmail.com	Gowsika@23

,3. Connect python code to db2.

```
import ibm_db

conn=ibm_db.connect("DATABASE=bludb;AUTHENTICATION=SERVER;HOSTNAME=19a
f6446
-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=SS
L;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lzl34218;PWD=3XYDnCQAbEBZID
Lb","
,")
print(conn)

print("connection successfull...")
```

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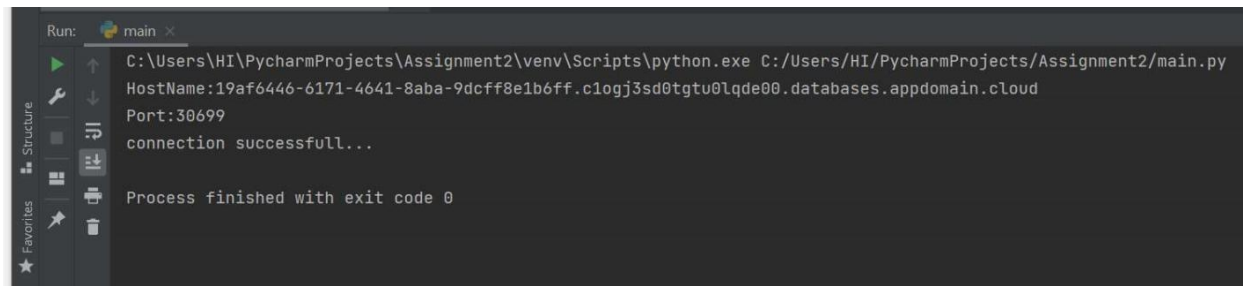
4. Create flask app with registration page, login page and welcome page.

app.py from flask import Flask, render_template,

request,redirect import ibm_db import dbconn app =

Flask(_name_) @app.route('/')

def register():

   return render_template("register.html")

@app.route('/login')   def

login():

   return render_template("login.html")

#welcome   page   code

@app.route('/welcome')

def welcome():

    if   dbconn.con: sql="SELECT   *

    FROM authentication

    smt= ibm_db.exec_immediate(dbconn.con,sql)

    res = ibm_db.fetch_both(smt) result=[]

    while res != False:

     result.append(res)

     row=len(result)

     res = ibm_db.fetch_both(smt)

    return render_template("welcome.html",r=result,rows=row)

#registration page code

```python
@app.route("/signup", methods=['POST'])

def signup(): if request.method == 'POST':

    name  =  request.form.get('name')

    email  =  request.form.get('email')

    pwd = request.form.get('pwd') roll

    = request.form.get('roll')

    sql = "INSERT INTO authentication (username,email,password,rollnumber) VALUES
('{0}','{1}','{2}','{3}')"

    res = ibm_db.exec_immediate(dbconn.con, sql.format(name, email, pwd, roll))

    if        sql:           return

    redirect("/login")      else:

    return redirect("/") else:

    print("Could'nt store anything...")

#login page code

@app.route("/signin", methods=['POST']) def

signin():

    if request.method == 'POST':

        email  =  request.form.get('email')  pwd

        = request.form.get('pwd')

sql = "SELECT * FROM authentication WHERE EMAIL='{0}' AND PASSWORD='{1}'"

        smt = ibm_db.prepare(dbconn.con, sql.format(email,pwd)) ibm_db.execute(smt)

        res=ibm_db.fetch_assoc(smt)

        if res:

            return   redirect("/welcome")

    else: return redirect("/login") else:

    print("Could'nt store anything...")

#update page code

@app.route("/update/<string:id>", methods=['POST','GET']) def

update(id):

        if request.method =='POST':
```

```python
        name  =  request.form.get('name')

        email  =  request.form.get('email')

        pwd = request.form.get('pwd') roll

        = request.form.get('roll')

    sql="UPDATE authentication SET username='{0}',email='{1}',password='{2}',rollnumber='{3}'
WHERE        id='{4}'"        res        =        ibm_db.exec_immediate(dbconn.con,

        sql.format(name,email,pwd,roll,id))

        if sql:

          return redirect("/welcome")

      else: return redirect("/") else:

          print("Could'nt store anything...") sql="SELECT *

        FROM        authentication        WHERE        id='{0}'"

        smt=ibm_db.exec_immediate(dbconn.con,sql.format(id))

        res        =        ibm_db.fetch_both(smt)        return

        render_template("update.html",update=res)

#delete page code

@app.route("/delete/<string:id>",methods=['POST','GET']) def

delete(id):

    sql="DELETE FROM authentication WHERE id='{0}'"

smt=ibm_db.exec_immediate(dbconn.con,sql.format(id))

return redirect("/welcome") if __name__ == '_main_':

  app.run(debug=True)
```

Output:

Register

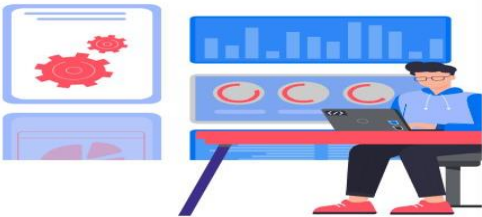Username [Enter the name] Email [Enter the email]

Password [Enter the Password] Roll number

[Enter the roll number]

[Sign Up]

You have an account

login

Login

Email [Enter the email] Password [Enter the password]

[login]

Don't have an account

Register

User details

{% for x in range(0,rows, 1):%} {%for y in range(0,5,1):%} {%endfor%} {%endfor%}

UserID	Username	Email	Password	Roll number	Update	Delete
{{r[x][y]}}	[Edit]	[Delete]				