

## Assignment-2

Team ID	PNT2022TMID30875
Project Name	SMART FASHION RECOMMENDER APPLICATION

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  
);
```

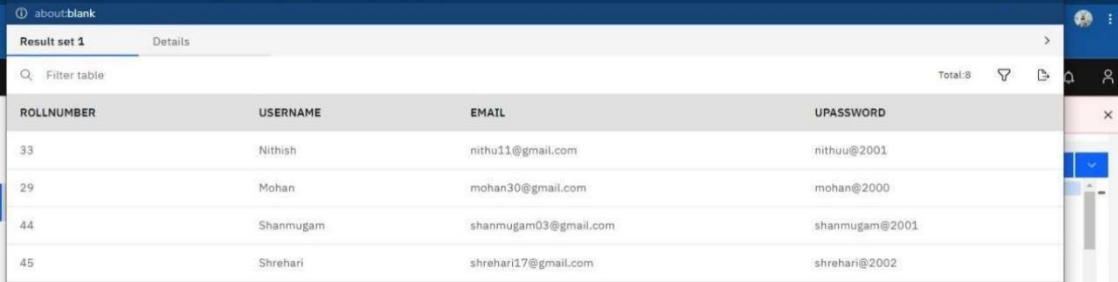
```
INSERT INTO USERS VALUES(01,'JANANI SK','skjanani107@gmail.com','janani@');
```

```
INSERT INTO USERS VALUES(03,'INDHUMATHI S','indhumathisivaraman21@gmail.com','indhumathi@');
```

```
INSERT INTO USERS VALUES(02,'ABINAYASRI M','abinayasri2196@gmail.com','abinayasri@');
```

```
INSERT INTO USERS VALUES(04,'LOGESHWARI K','klogeshwari18032002@gmail.com','logeshwari@');
```

```
SELECT * FROM USERS;
```



ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
33	Nithish	nithu11@gmail.com	nithuu@2001
29	Mohan	mohan30@gmail.com	mohan@2000
44	Shanmugam	shanmugam03@gmail.com	shanmugam@2001
45	Shrehari	shrehari17@gmail.com	shrehari@2002

2. Perform UPDATE, DELETE Queries with user table.

Updation:

```
UPDATE USERS
```

```
SET Email='skjanu@gmail.com'
```

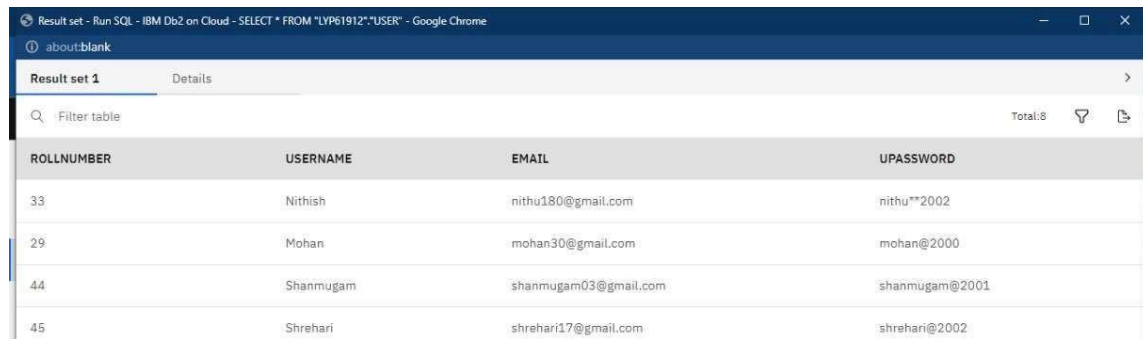
```
WHERE RollNumber=01;
```

```
UPDATE USERS
```

```
SET Password='m_abi'
```

WHERE RollNumber=02,

SELECT \* FROM USERS;



ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
33	Nithish	nithu180@gmail.com	nithu**2002
29	Mohan	mohan30@gmail.com	mohan@2000
44	Shanmugam	shanmugam03@gmail.com	shanmugam@2001
45	Shrehari	shrehari17@gmail.com	shrehari@2002

Deletion:

DELETE FROM USERS

WHERE RollNumber=03;



ROLLNUMBER	USERNAME	EMAIL	UPASSWORD
29	Mohan	mohan30@gmail.com	mohan@2000
44	Shanmugam	shanmugam03@gmail.com	shanmugam@2001
45	Shrehari	shrehari17@gmail.com	shrehari@2002

,3. Connect python code to db2.

```
import ibm_db
```

```
conn=ibm_db.connect("DATABASE=bludb;AUTHENTICATION=SERVER;HOSTNAME=19a  
f6446
```

```
-6171-4641-8aba-
```

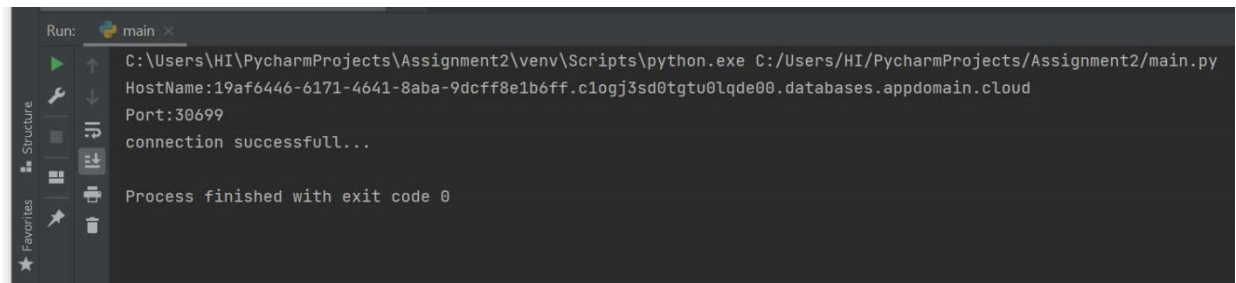
```
9dcff8e1b6ff.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=SS  
L;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lzl34218;PWD=3XYDnCQAbEBZID  
Lb",
```

```
,")
```

```
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

```

```

@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':

```

```

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

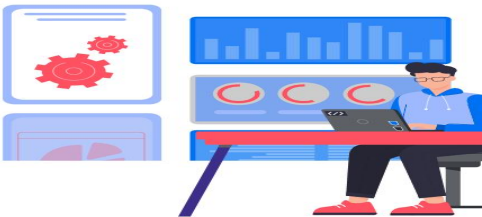
Roll number

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
{{(x y)}}	<a href="#">Edit</a>	<a href="#">Delete</a>				