## **Assignment 2**

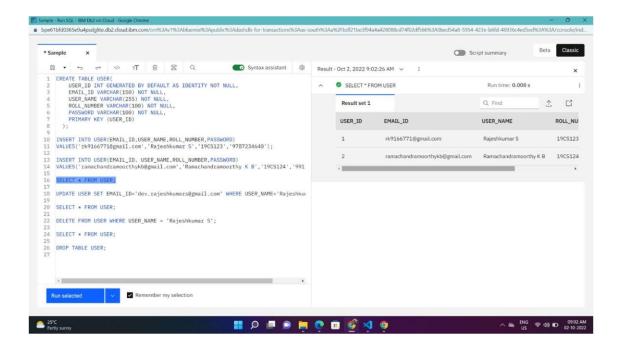
Team ID	PNT2022TMID13848
Project Name	Personal Expense Tracker Application

## **Question:**

- 1. Create User table with user with email, username, roll number, password.
- 2. Perform UPDATE, DELETE Queries with user table
- 3. Connect python code to db2.
- 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 database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.
- 1. Create User table with user with email, username, roll number, password.

#### **Solution:**

```
CREATE TABLE USER(
  USER ID INT GENERATED BY DEFAULT AS IDENTITY NOT
NULL.
  EMAIL_ID VARCHAR(150) NOT NULL,
  USER_NAME VARCHAR(255) NOT NULL,
                     ROLL_NUMBER VARCHAR(100) NOT NULL,
  PASSWORD VARCHAR(100) NOT NULL,
  PRIMARY KEY (USER_ID)
);
INSERT INTO USER(EMAIL ID,
USER_NAME,ROLL_NUMBER,PASSWORD)
VALUES('rk9166771@gmail.com','Rajeshkumar
S','19CS123','9787234640');
INSERT INTO USER(EMAIL ID,
USER_NAME,ROLL_NUMBER,PASSWORD)
VALUES('ramachandramoorthykb@gmail.com','Ramachandramoorthy K
B','19CS124','9912346578');
```

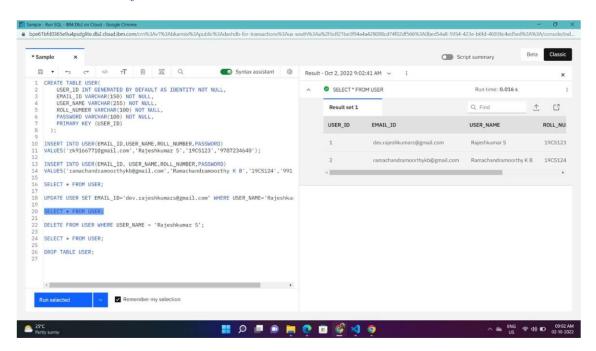


#### 2. Perform UPDATE, DELETE Queries with user table.

#### **Solution:**

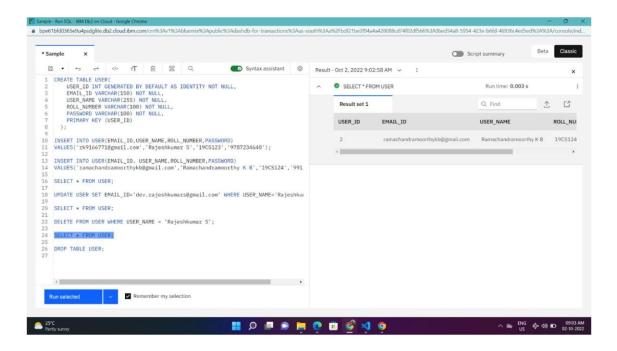
#### **UPDATE:**

UPDATE USER SET EMAIL\_ID='dev.rajeshkumars@gmail.com' WHERE USER\_NAME='Rajeshkumar S';



### **DELETE:**

DELETE FROM USER WHERE USER\_NAME = 'Rajeshkumar S';



3. Connect python code to db2.

#### **Solution:**

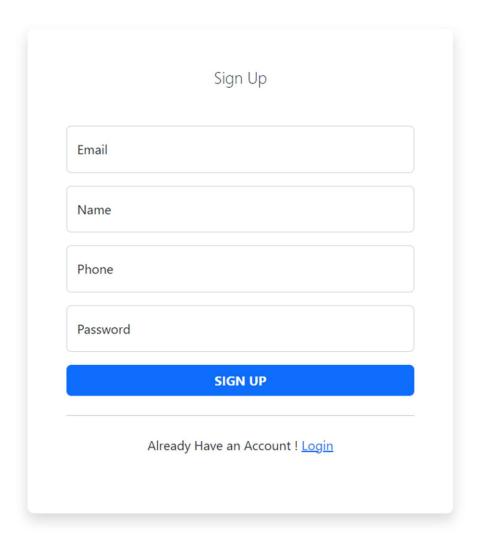
```
def Connection():
    try:
        conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=21fecfd8-47b7-
4937-840d-
d791d0218660.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31864;SE
CURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=xjk42376;PW
D=liEWs4fS57ABi3h1", "", "")
        print ("Database Connected Successfully !")
        return conn
        except:
        print ("Unable to connect: ", ibm_db.conn_errormsg())
```

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 database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.

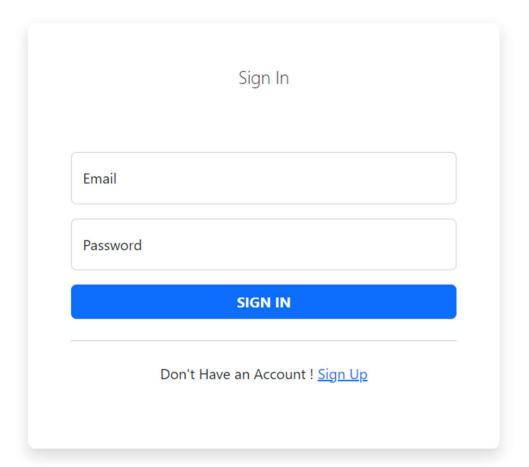
```
def Create(email,name,phone,password,conn):
   columns = '"UNAME","UEMAIL","UPHONE","UPASSWORD"'
   val = "'"+name+"','"+email+"','"+phone+"','"+password+"'"
   sql = 'Insert into XJK42376.USER(' + columns + ') values('+val+')'
   try:
        stmt = ibm_db.prepare(conn, sql)
        ibm db.execute(stmt)
       print ("added :-)")
       return 1
   except:
        print("Error While Adding the User ! ")
        return 0
def Signin(email,password,conn):
   sql = "SELECT * FROM XJK42376.USER"
   try:
        result = ibm_db.exec_immediate(conn,sql)
        tuple = ibm db.fetch tuple(result)
       while tuple != False:
           if str(tuple[1]) == email and str(tuple[3]) == password:
                res = [str(tuple[0]),str(tuple[1]),str(tuple[2])]
                return res
            tuple = ibm db.fetch tuple(result)
        print("Fetch Success :-)")
        return 0
    except:
        print("fetch not found !")
        return 0
```

**Output:** 

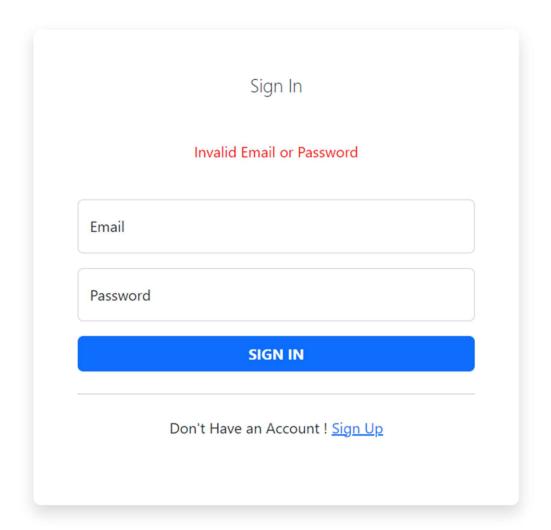
# Signup Page:



# Login Page:



## When Email or password is Invalid:



## Table:



# DashBoard

Welcome Rajeshkumar!