## Assignment-2

<b>Project Domain</b>	Cloud Application Development
<b>Project Title</b>	News Tracker Application
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## Questions:

- 1. Create registration page in html with username, email, and phone number and by using POST method display it in next html page.
- 2. Develop a flask program which should contain at least 5 packages used from pypi.org.
- 3. Create User table with user with email, username, roll number, password.
- 4. Perform UPDATE, DELETE Queries with user table
- 5. Connect python code to db2.
- 6. 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.

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## Answers:

1.Create registration page in html with username, email, and phone number and by using POST method display it in next html page.

```
Login.html:
<html>
<body>
      <center>
      <form action = "http://localhost:3890/login" method = "post">
             < h1 >
             Enter user Name:<input type = "text" name = "userName"/><br>
             Enter Email-id:<input type = "text" name = "emailId"/><br>
             Enter
                      Phone
                                Number:<input
                                                               "text"
                                                  type
                                                                         name
"phoneNumber"/><br><br>
             <input type = "submit" value = "SUBMIT"/>
      </h1>
      </form>
```

```
</center>
</body>
</html>
Sample.py:
from flask import Flask, redirect, url_for, request
app = Flask(__name__)
@app.route('/login', methods=['POST'])
def login():
      if request.method == 'POST':
              user_name = request.form['userName']
              email_id = request.form['emailId']
              phone_number = request.form['phoneNumber']
                       '{}{}{}{}{}{}`.format("<center><h1>Your
              return
                                                                    user
                                                                            name
                                                                                    is:
",user_name,"</h1><br><br><br><br>Your email-id is: ",email_id,"</h2><br><br><br><br>Your
phone number is: ",phone_number,"</h3></center>")
if __name__ == '__main__':
      app.run('127.0.0.1',3890)
```



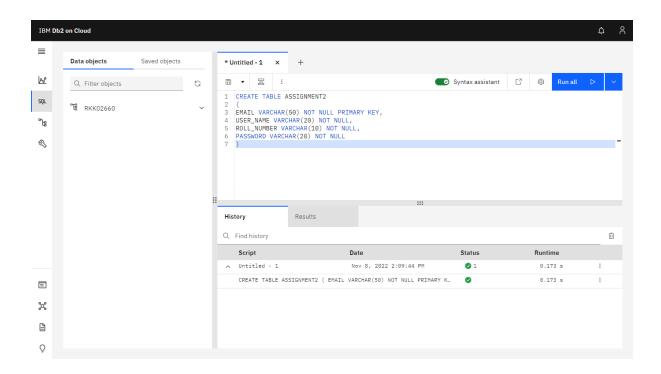


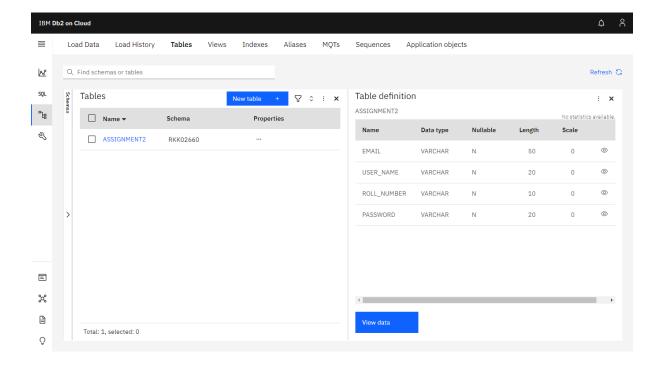
Your email-id is: 731119205043@smartinternz.com

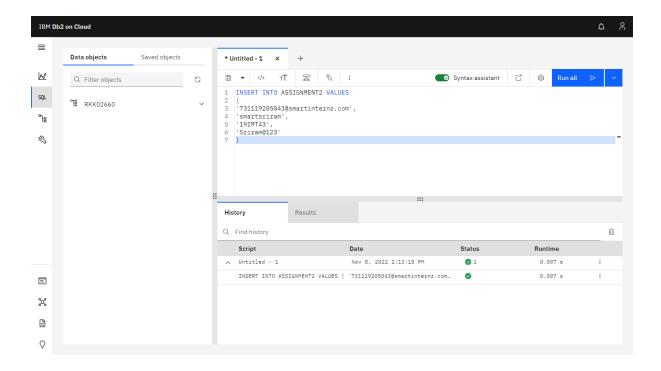
Your phone number is: 9876543210

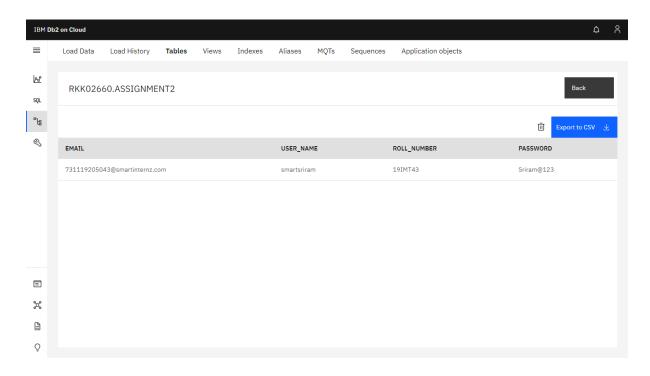


3.Create User table with user with email, username, roll number, password.

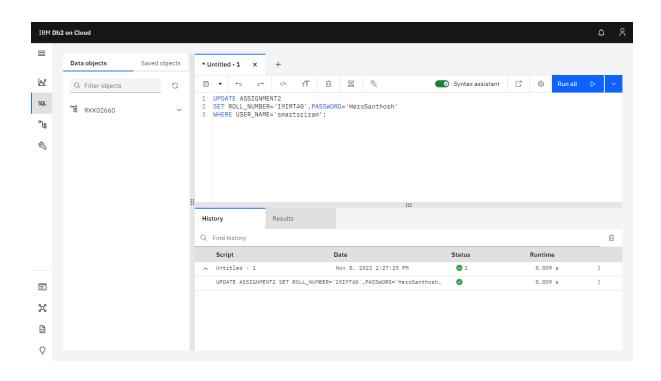


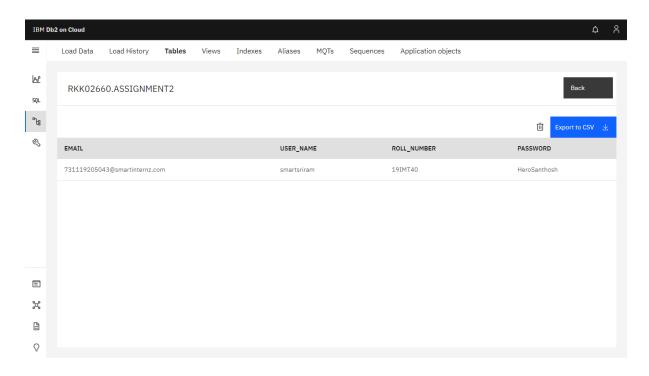


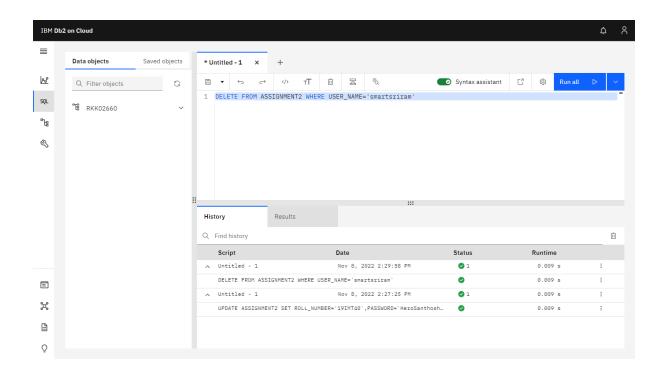


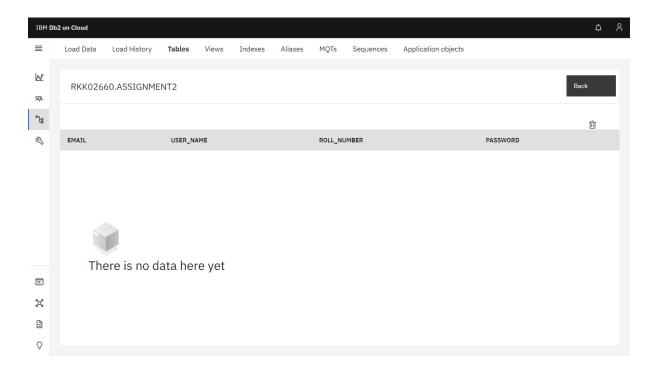


4.Perform UPDATE, DELETE Queries with user table









## app.py

from flask import Flask,render\_template,request,redirect,url\_for,session import ibm\_db import re app=Flask(\_\_name\_\_) app.secret\_key = 'a'

```
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-
4883-8fc0-
d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=3132
1;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=r
kk02660;PWD=MjT4FnHjLsN6rpbn",' ',' ')
@app.route('/')
def home():
  return render_template('home.html')
@app.route('/login',methods=['GET','POST'])
def login():
  global userid
  msg=' '
  if request.method=='POST':
    username = request.form['username']
    password = request.form['password']
    sql = "SELECT * FROM Users WHERE username = ? AND password =
9"
    stmt = ibm_db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,username)
    ibm_db.bind_param(stmt,2,password)
    ibm db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    print(account)
    if account:
       session['Loggedin']=True
       session['id']=account['username']
       userid=account['username']
       session['username']=account['username']
       msg='Logged in successfully!'
       return render_template('dashboard.html',msg=msg)
    else:
       msg='Incorrect username/password'
       return render_template('Login.html',msg=msg)
@app.route('/register',methods=['GET','POST'])
def register():
    if request.method=='POST':
       username = request.form['username']
       email = request.form['email']
       password = request.form['password']
```

```
sql = "SELECT * FROM Users WHERE username = ?"
       stmt = ibm_db.prepare(conn,sql)
       ibm_db.bind_param(stmt,1,username)
       ibm_db.execute(stmt)
       account = ibm_db.fetch_assoc(stmt)
       print(account)
       if account:
         msg='Account already exist!'
       elif not re.match(r'[^{\circ}@]+@[^{\circ}@]+\.[^{\circ}@]+\.email):
         msg="Invalid email address"
       else:
         insert_sql="INSERT INTO users VALUES(?, ?, ?)"
         prep_stmt=ibm_db.prepare(conn,inser_sql)
         ibm_db.bind_param(prep_stmt,1,username)
         ibm_db.bind_param(prep_stmt,2,email)
         ibm_db.bind_param(prep_stmt,3,password)
         ibm_db.execute(prep_stmt)
         msg="You have successfully registered"
    elif request.method=='POST':
       msg="Please fill out the form"
       return render_template('register.html',msg=msg)
@app.route('/dashboard',methods=['GET','POST'])
def dash():
  return render_template('dashboard.html')
@app.route('/apply',methods=['GET','POST'])
def app():
  msg=' '
  if request.method=="POST":
    username=request.form['username']
    email=request.form['email']
    qualification=request.form['qualification']
    skills=request.form['skills']
    jobs=request.form['s']
    stmt = ibm_db.prepare(conn,sql)
    ibm _db.bind_param(stmt,1,username)
    ibm db.execute(stmt)
    account=ibm_db.fetch_assoc(stmt)
    print(account)
    if account:
       msg="There is only 1 job position"
       return render_template('app.html',msg=msg)
```

```
insert_sql="INSERT INTO job VALUES(?, ?, ?, ?)"
     perp_stmt=ibm_db.prepare(conn,insert_sql)
    ibm_db.bind_param(prep_stmt,1,username)
     ibm_db.bind_param(prep_stmt,2,email)
    ibm_db.bind_param(prep_stmt,3,qualification)
     ibm_db.bind_param(prep_stmt,4,skills)
     ibm_db.bind_param(prep_stmt,5,jobs)
     ibm_db.execute(stmt)
    msg="You have successfully applied for the job"
     session['Loggedin']
     TEXT="Hello user, a new application for job position" +
jobs+isrequested
  elif request.method=="POST":
       msg="Please fill out the form"
       return render_template('apply.html',msg=msg)
@app.route('/display')
def display():
  print (session["username"],session['id'])
  cursor=mysql.connection.cursor()
  cursor.execute('SELECT * FROM job WHERE userid=%s',session['id'],)
  account=cursor.fetchone()
  print("accountdisplay",account)
@app.route('/logout')
def logout():
  session.pop('loggedin',None)
  session.pop('id',None)
  session.pop('username',None)
  return render_template('home.html')
if __name__ == '__main__':
  app.run(host="0.0.0.0")
```