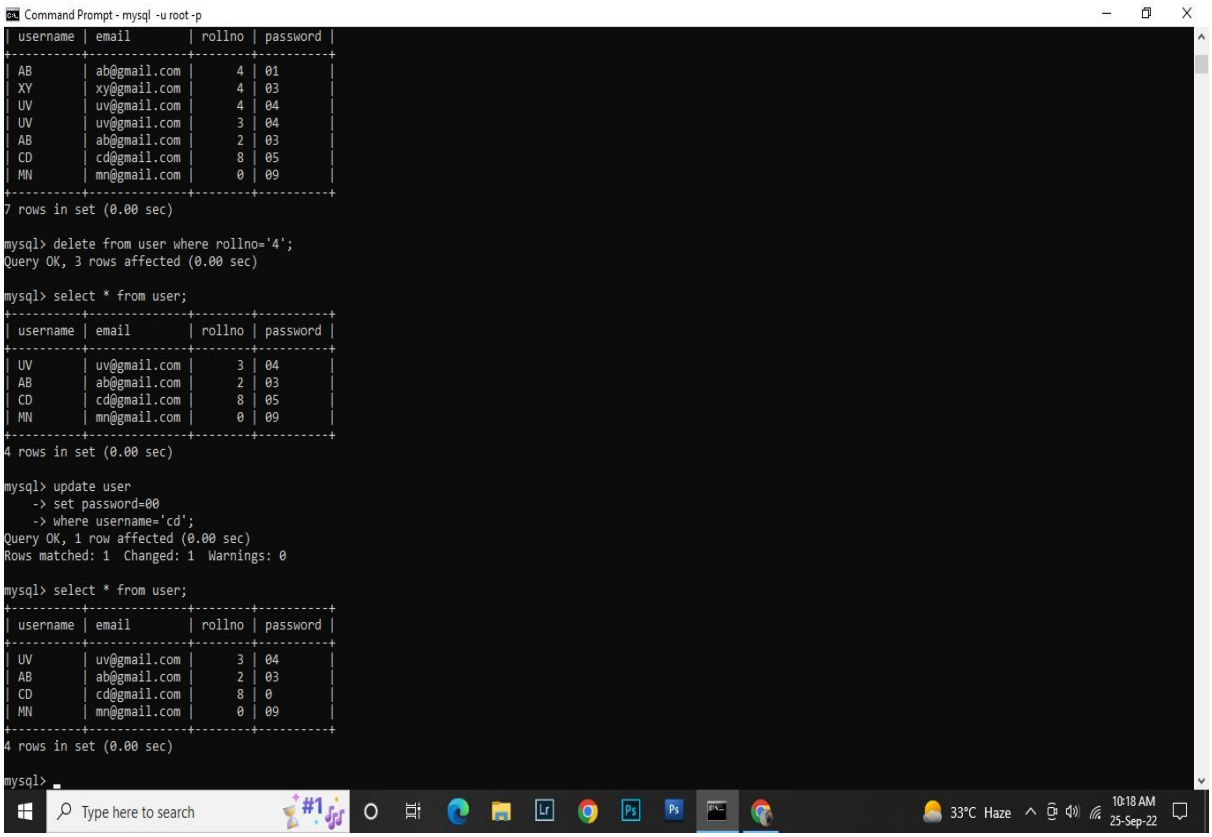
# ASSIGNMENT 2

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




**CREATE TABLE:**

**CREATE TABLE Student (Username varchar (20), email varchar (20), roll number int(15),password varchar(30));**

**INSERT QUERY:**

**Insert into Student values ('uv', 'uv@gmail.com','3','04'); Insert into Student values ('AB', 'AB@gmail.com','2','03');**

**Insert into Student values ('CD', 'CD@gmail.com','8','05'); Insert into Student values ('MN', 'MN@gmail.com','0','09');**

## 2.perform UPDATE DELETE queries with user table?

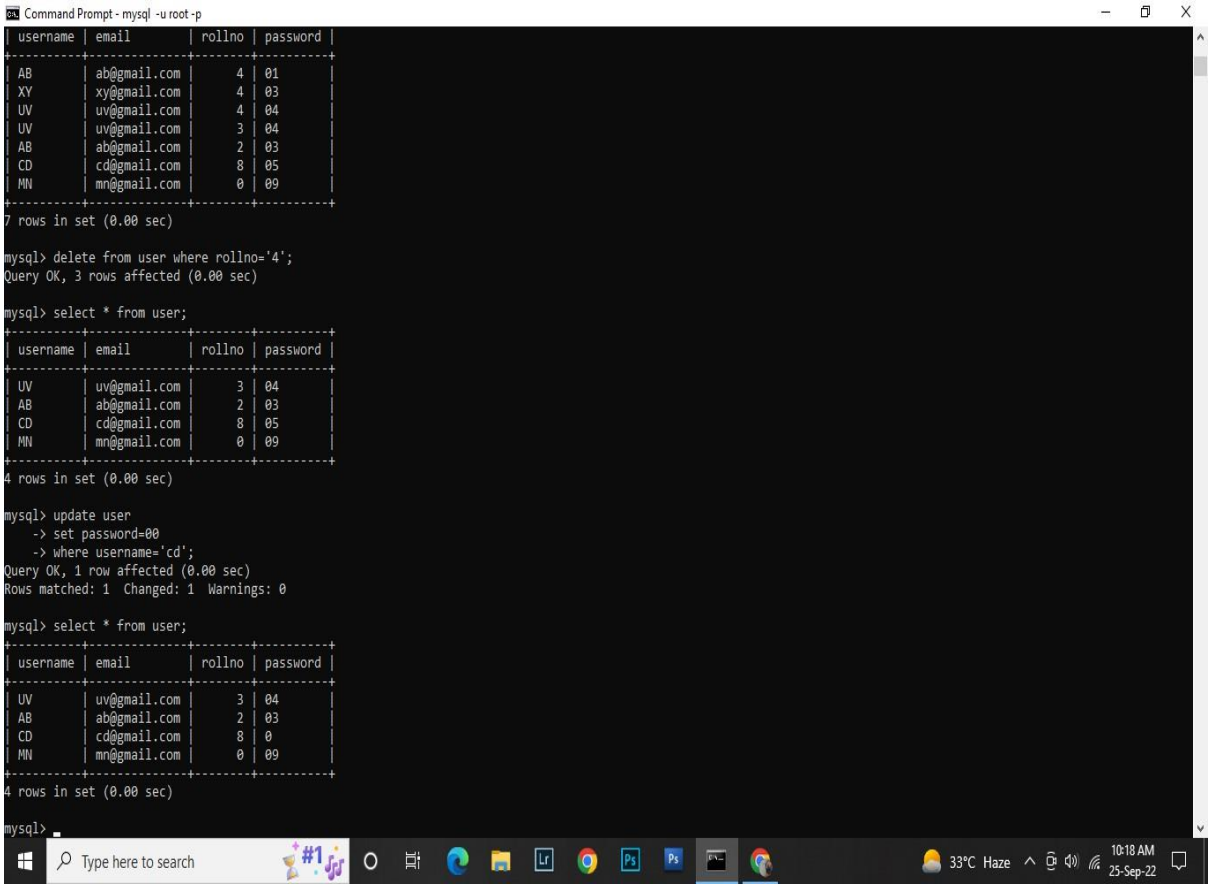
**QUERY:**

**UPDATE:**

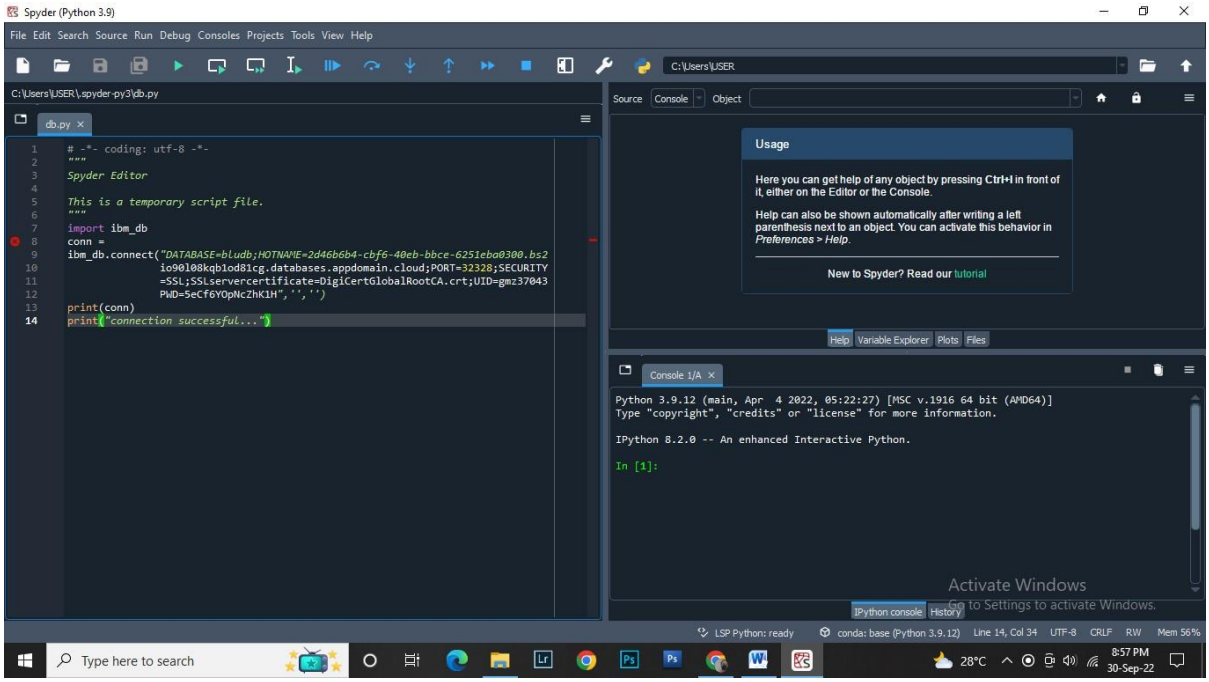
**Update Student set password=00 where username =’CD’;**

**DELETE:**

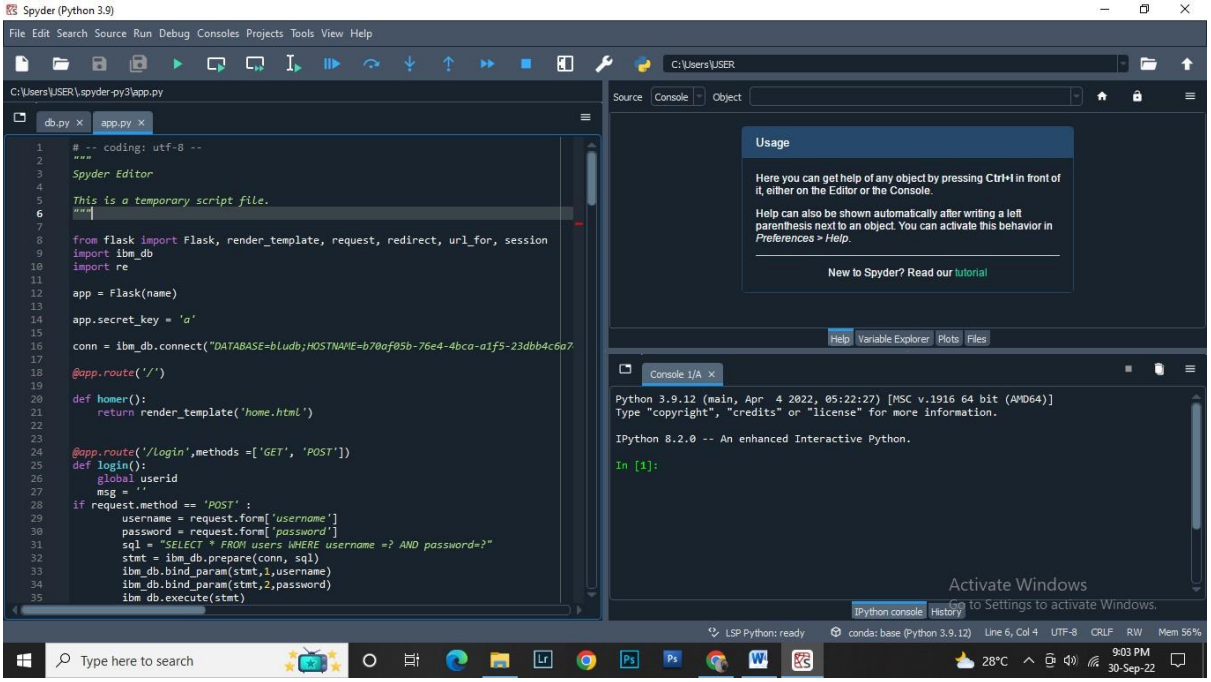
**Delete from user where roll no =’4’;**

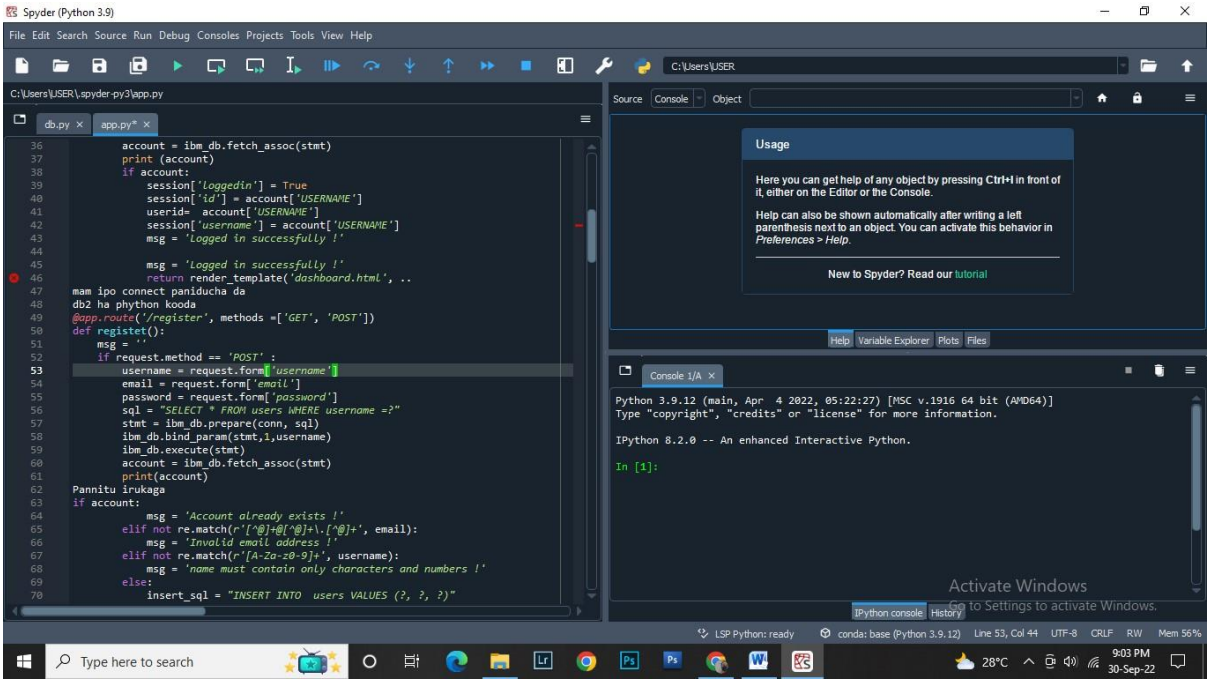



## 3.Connect Python code to db2?




## Question no.4:




Spyder (Python 3.9)
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\USER\.spyder-py3\app.py
db.py
app.py*
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 !'
msg = 'Logged in successfully !'
return render_template('dashboard.html', ..
mam ipo connect paniducha da
db2 ha phython kooda
@app.route('/register', methods =['GET', 'POST'])
def registet():
msg = ''
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)
Pannitu irukaga
if account:
msg = 'Account already exists !'
elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
msg = 'Invalid email address !'
elif not re.match(r'[A-Za-z0-9]+', username):
msg = 'name must contain only characters and numbers !'
else:
insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
Usage
Here you can get help of any object by pressing Ctrl+I in front of it, either on the Editor or the Console.
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in Preferences > Help.
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Python 3.9.12 (main, Apr 4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
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In [1]:
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Activate Windows
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LSP Python: ready
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Line 53, Col 44
UTF-8
CRLF
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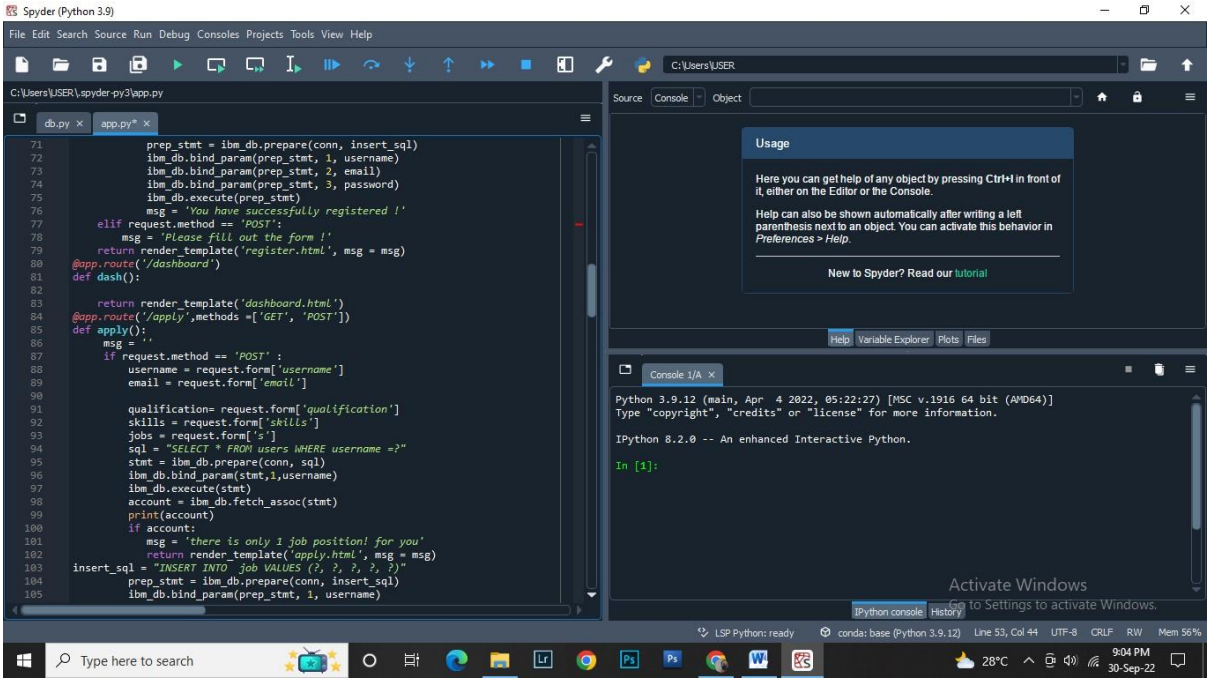
9:03 PM
30-Sep-22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ibm_db.bind_param(prep_stmt, 2, email)
ibm_db.bind_param(prep_stmt, 3, password)
ibm_db.execute(prep_stmt)
msg = 'You have successfully registered !'
elif request.method == 'POST':
msg = 'Please fill out the form !'
return render_template('register.html', msg = msg)
@app.route('/dashboard')
def dash():
return render_template('dashboard.html')
@app.route('/apply',methods =['GET', 'POST'])
def apply():
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']
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 = 'there is only 1 job position! for you'
return render_template('apply.html', msg = msg)
insert_sql = "INSERT INTO job VALUES (?, ?, ?, ?, ?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt, 1, username)
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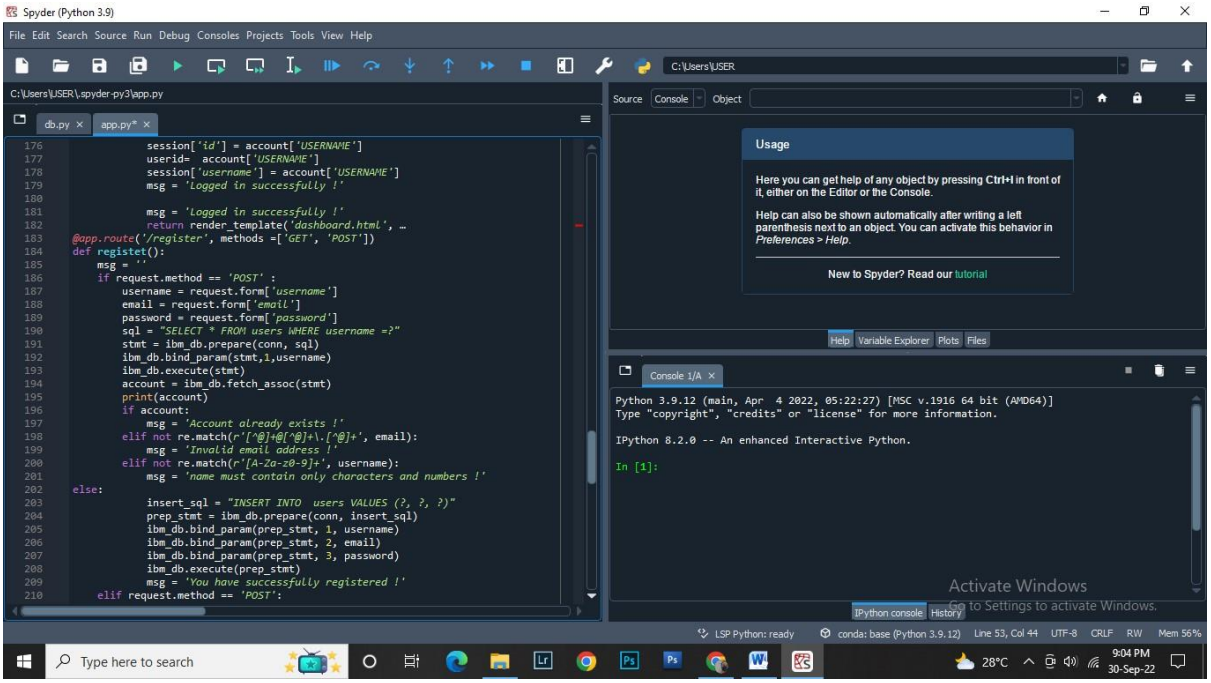
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msg = 'Account already exists !'
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elif not re.match(r'[A-Za-z0-9]+', username):
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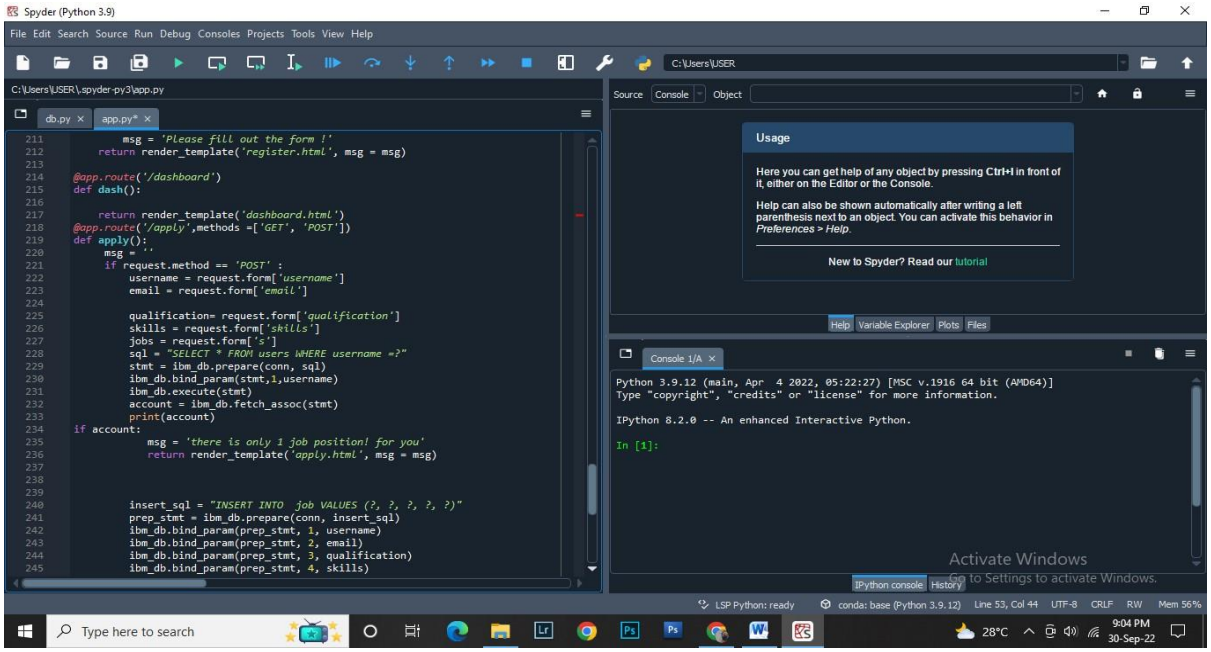
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return render_template('register.html', msg = msg)
@app.route('/dashboard')
def dash():
return render_template('dashboard.html')
@app.route('/apply',methods =['GET', 'POST'])
def apply():
msg = ''
if request.method == 'POST' :
username = request.form['username']
email = request.form['email']
qualification= request.form['qualification']
skills = request.form['skills']
jobs = request.form['s']
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 = 'there is only 1 job position! for you'
return render_template('apply.html', msg = msg)
insert_sql = "INSERT INTO job VALUES (?, ?, ?, ?, ?)"
prep_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)
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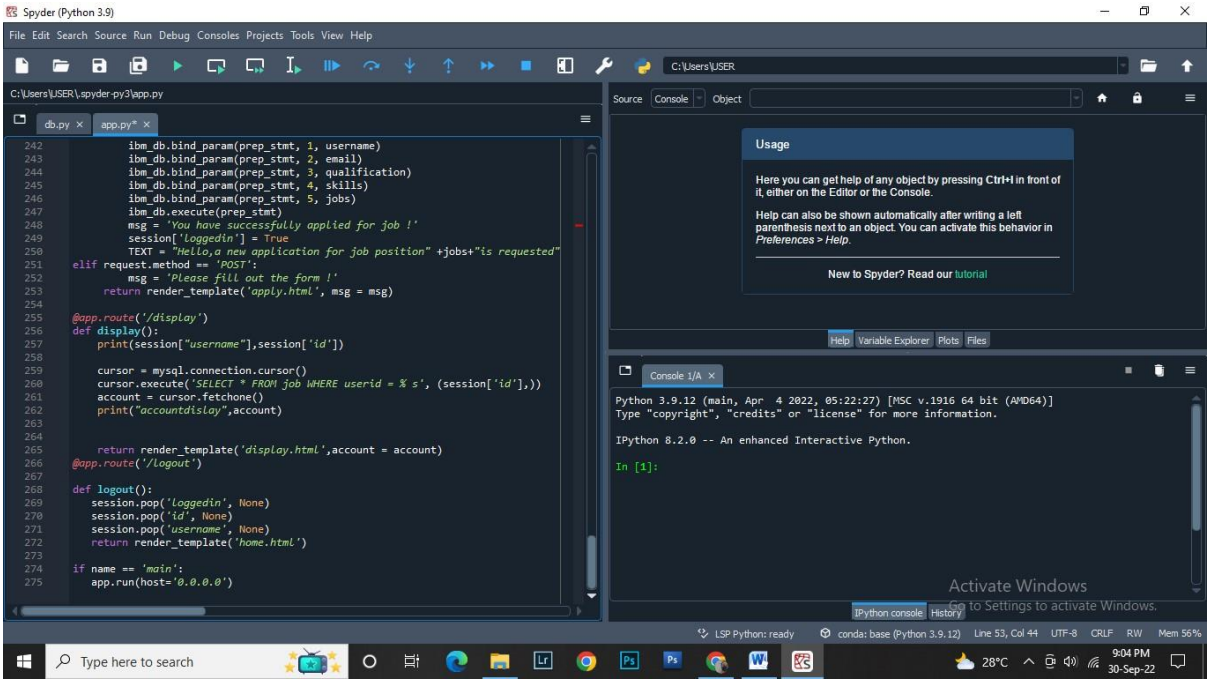
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ibm_db.bind_param(prep_stmt, 3, qualification)
ibm_db.bind_param(prep_stmt, 4, skills)
ibm_db.bind_param(prep_stmt, 5, jobs)
ibm_db.execute(prep_stmt)
msg = 'You have successfully applied for job !'
session['loggedin'] = True
TEXT = "Hello,a new application for job position" +jobs+"is requested"
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("accountdisay",account)
return render_template('display.html',account = 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')
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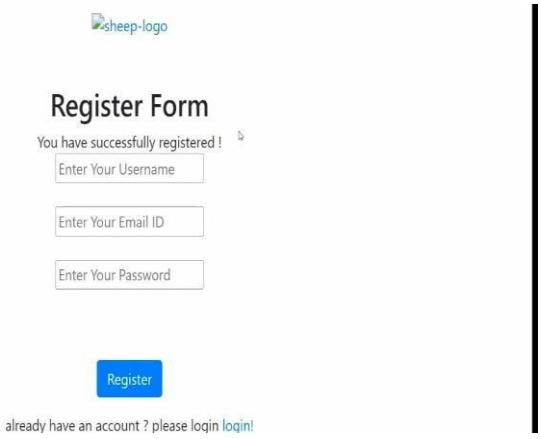
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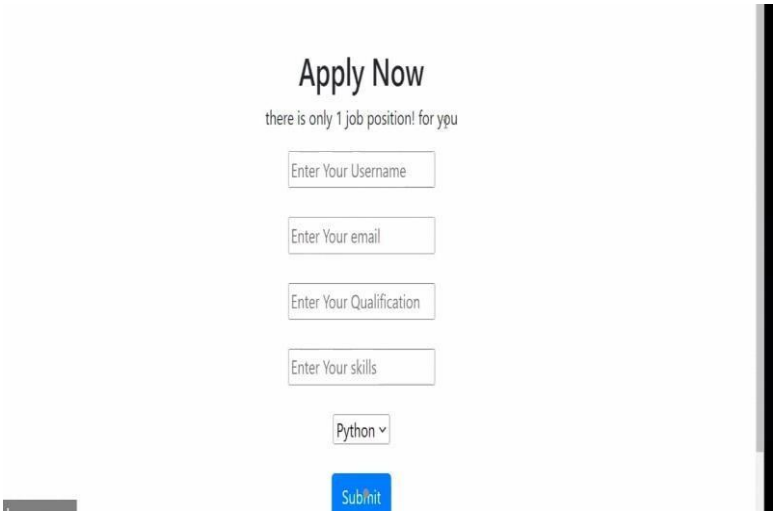
You have successfully registered !
Enter Your Username
Enter Your Email ID
Enter Your Password
Register
already have an account ? please login login!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