

ASSIGNMENT 2

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

```
Command Prompt - mysql -u root -p
mysql> select * from user;
+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| AB       | ab@gmail.com   | 4      | 01       |
| XY       | xy@gmail.com   | 4      | 03       |
| UV       | uv@gmail.com   | 4      | 04       |
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 05       |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> delete from user where rollno='4';
Query OK, 3 rows affected (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 05       |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> update user
  -> set password=00
  -> where username='cd';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from user;
+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 0       |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

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');**

**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';

```
Command Prompt - mysql -u root -p

+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| AB       | ab@gmail.com   | 4      | 01       |
| XY       | xy@gmail.com   | 4      | 03       |
| UV       | uv@gmail.com   | 4      | 04       |
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 05       |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> delete from user where rollno='4';
Query OK, 3 rows affected (0.00 sec)

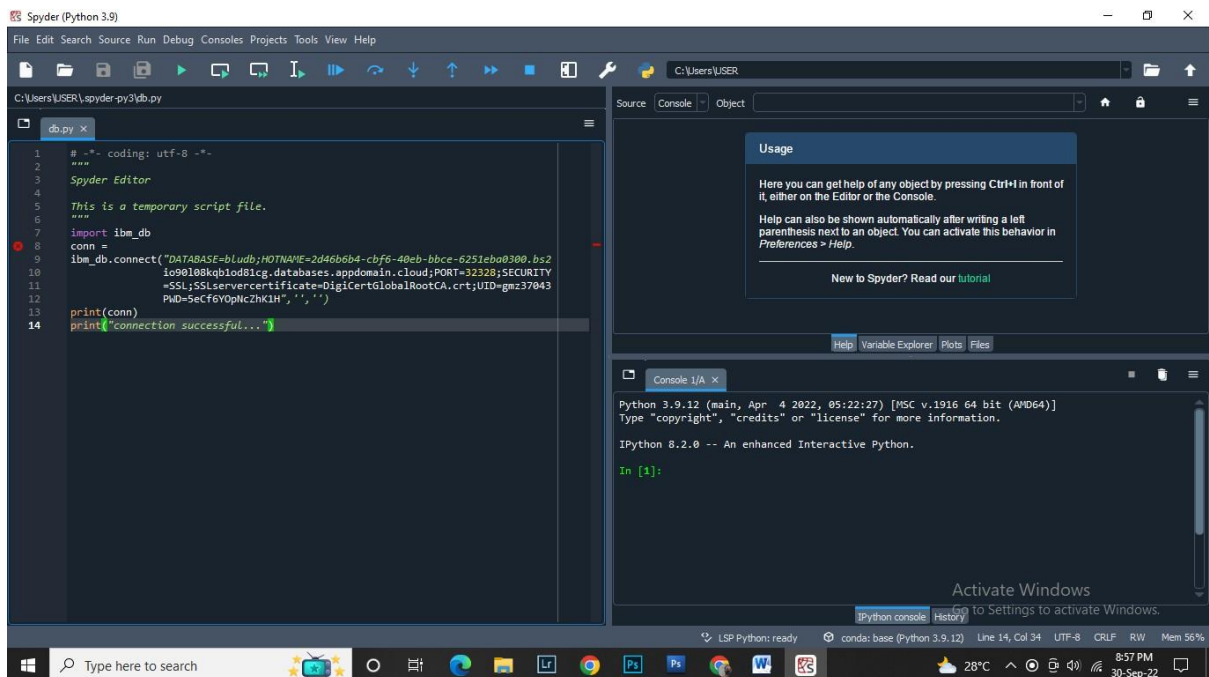
mysql> select * from user;
+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 05       |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> update user
  -> set password=00
  -> where username='cd';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from user;
+-----+-----+-----+-----+
| username | email          | rollno | password |
+-----+-----+-----+-----+
| UV       | uv@gmail.com   | 3      | 04       |
| AB       | ab@gmail.com   | 2      | 03       |
| CD       | cd@gmail.com   | 8      | 0        |
| MN       | mn@gmail.com   | 0      | 09       |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

3. Connect Python code to db2?



The screenshot shows the Spyder Python IDE interface. The editor window displays a Python script named `db.py` with the following code:

```
1 # -*- coding: utf-8 -*-
2
3 Spyder Editor
4
5 This is a temporary script file.
6
7 import ibm_db
8
9 conn =
10 ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-49eb-bbcc-6251eb08300.bs2
11 1e90108qblodig.databases.appdomain.cloud;PORT=32229;SECURITY
12 =SSL;SSLservercertificate=DigicertGlobalRootCA.crt;UID=gms37043
13 PwID=5ecf6Y0pMcZhK1H", '', '')
14
15 print(conn)
16 print("connection successful...")
```

The console window shows the output of the script:

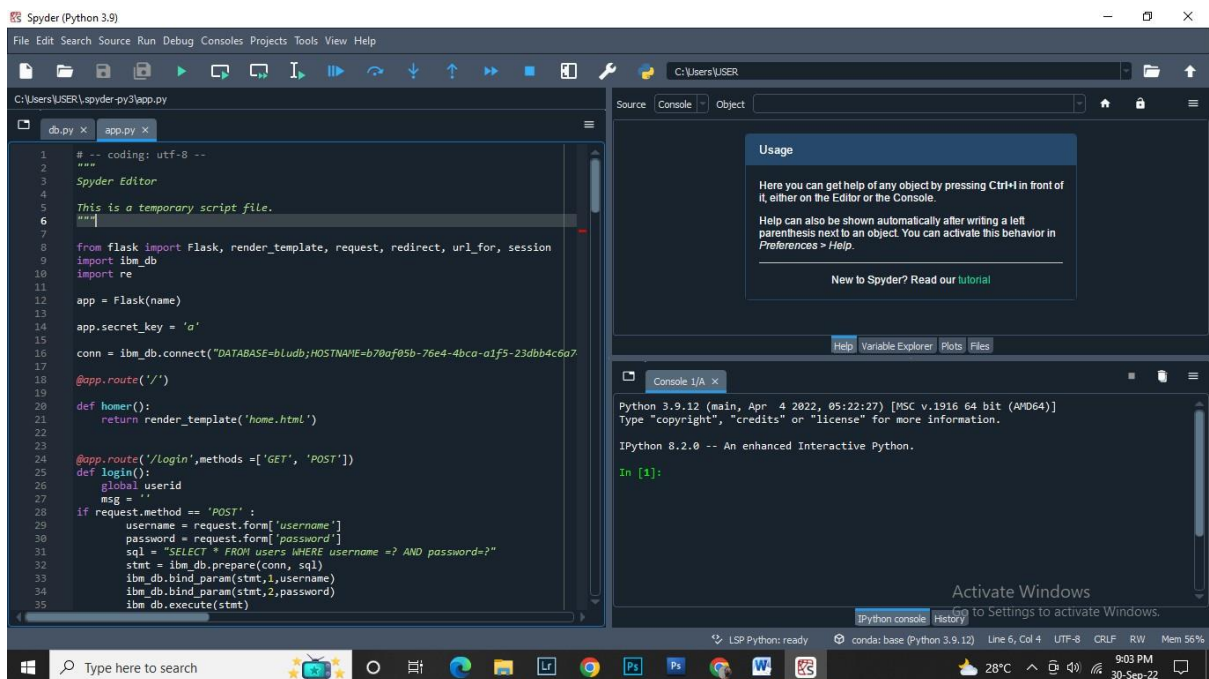
```
Python 3.9.12 (main, Apr 4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.2.0 -- An enhanced Interactive Python.

In [1]:
```

The status bar at the bottom indicates the environment is `conda: base (Python 3.9.12)` and the file is `Line 14, Col 34`.

Question no.4:



The screenshot shows the Spyder Python IDE interface. The editor window displays a Python script named `app.py` with the following code:

```
1 # -- coding: utf-8 --
2
3 Spyder Editor
4
5 This is a temporary script file.
6
7
8 from flask import Flask, render_template, request, redirect, url_for, session
9 import ibm_db
10 import re
11
12 app = Flask(name)
13
14 app.secret_key = 'a'
15
16 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=b70af85b-76e4-4bca-a1f5-23dbb4c0a7
17
18 @app.route('/')
19
20 def homer():
21     return render_template('home.html')
22
23
24 @app.route('/login', methods=['GET', 'POST'])
25 def login():
26     global userid
27     msg = ''
28     if request.method == 'POST':
29         username = request.form['username']
30         password = request.form['password']
31         sql = "SELECT * FROM users WHERE username =? AND password=?"
32         stmt = ibm_db.prepare(conn, sql)
33         ibm_db.bind_param(stmt, 1, username)
34         ibm_db.bind_param(stmt, 2, password)
35         ibm_db.execute(stmt)
```

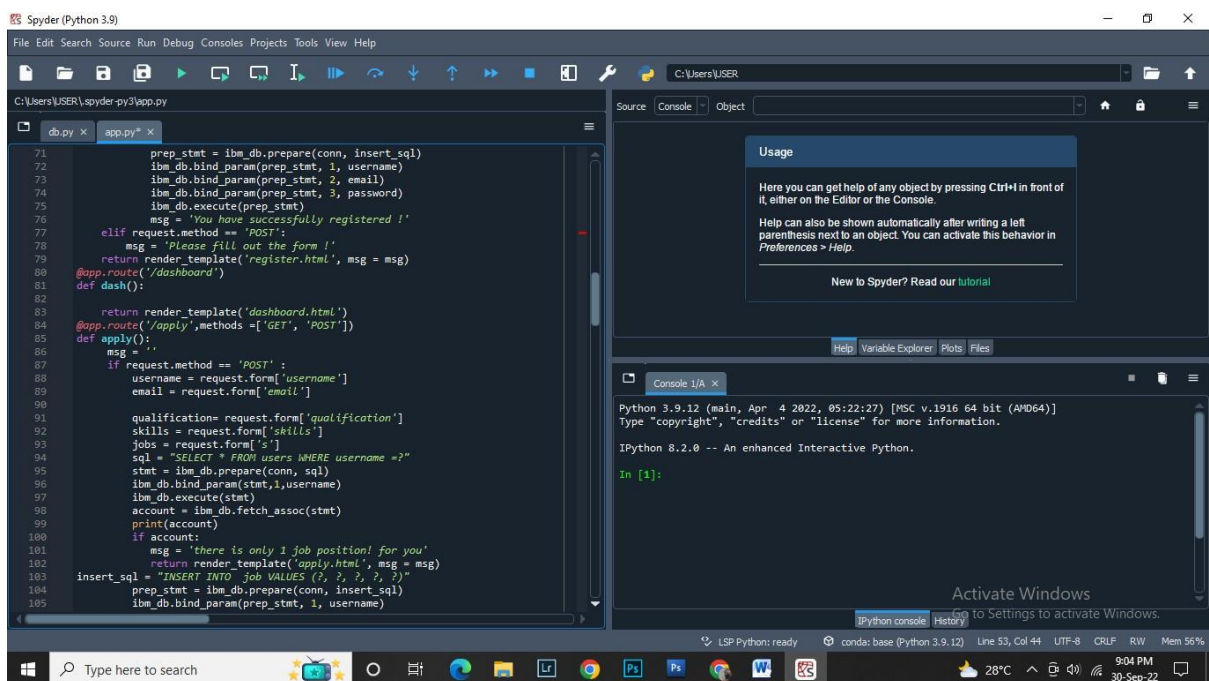
The console window shows the output of the script:

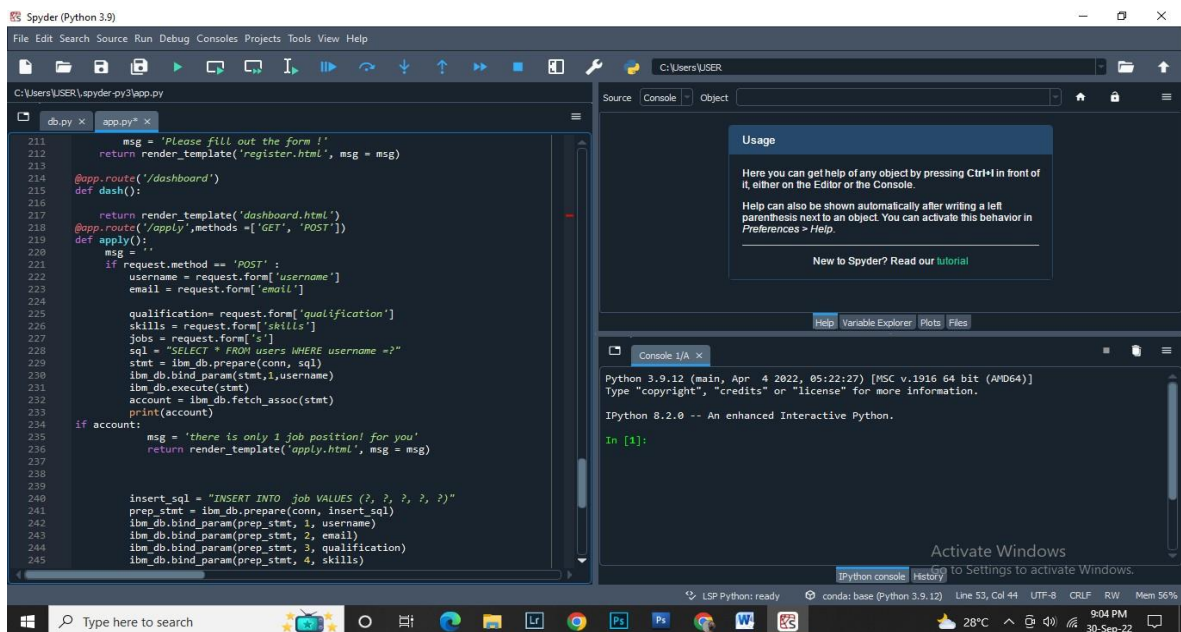
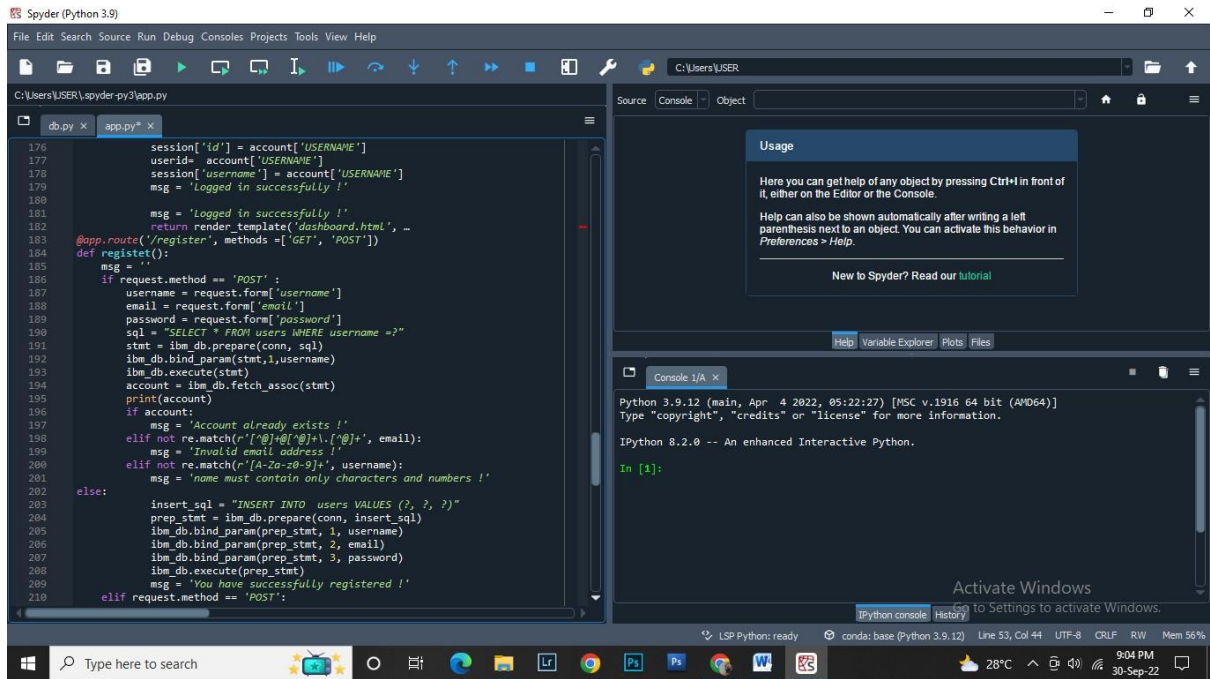
```
Python 3.9.12 (main, Apr 4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

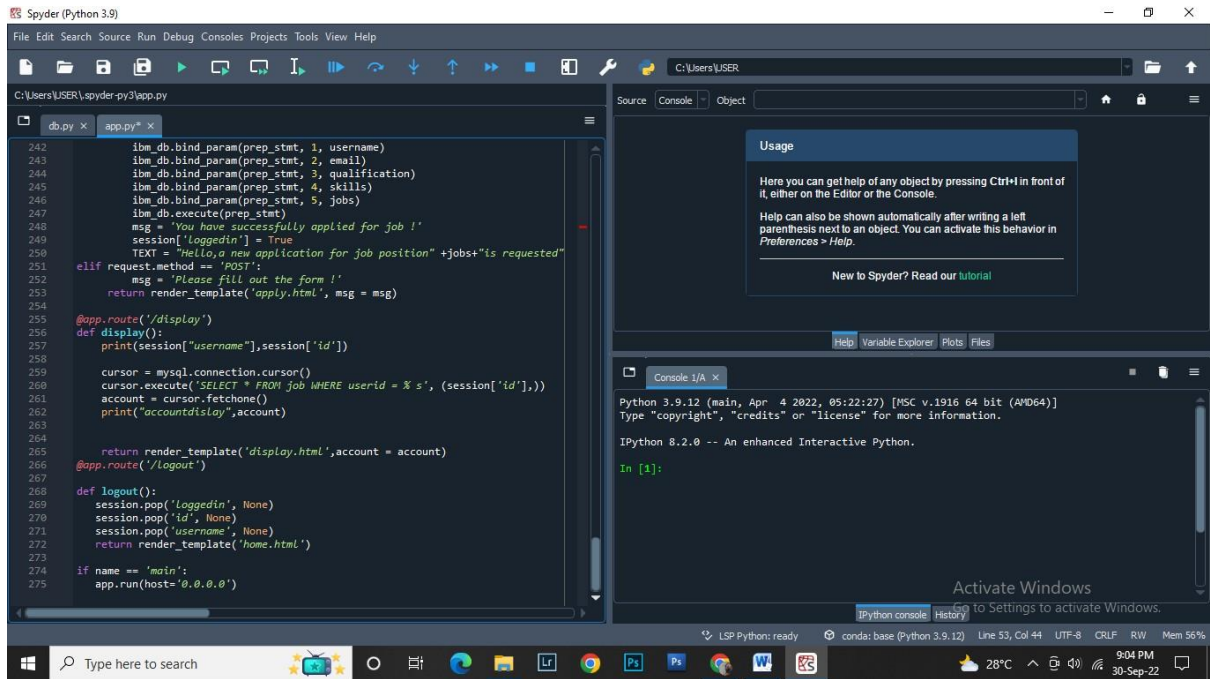
IPython 8.2.0 -- An enhanced Interactive Python.

In [1]:
```

The status bar at the bottom indicates the environment is `conda: base (Python 3.9.12)` and the file is `Line 6, Col 4`.









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