

Assignment -2

Python Programming

| | |
|---------------------|-------------------|
| Assignment Date | 23 September 2022 |
| Student Name | Sivakumar T V |
| Student Roll Number | 2019115098 |
| Maximum Marks | 2 Marks |

Question 1:

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

Solution 1:

Question 2:

The screenshot displays a database management interface. On the left, a sidebar shows 'Schemas' and 'Tables' tabs. The 'Tables' tab is active, showing a table named 'USER' in the 'LFX34122' schema. The 'Table definition' pane on the right shows the table structure:

| Name | Data type | Nullable | Length | Scale |
|----------|-----------|----------|--------|-------|
| EMAIL | VARCHAR | N | 32 | 0 |
| PASSWORD | VARCHAR | N | 32 | 0 |
| USERNAME | VARCHAR | N | 32 | 0 |
| ROLLNO | DECIMAL | N | 12 | 0 |

A 'View data' button is located at the bottom of the 'Table definition' pane.

Perform UPDATE, DELETE Queries with user table

Solution 2:

INSERT

```
INSERT INTO USER VALUES('siva@gmail.com','12345','siva',2019115098);
```

```
INSERT INTO USER VALUES('vishnu@gmail.com','12344','vishnu',2019115123);
```

```
INSERT INTO USER VALUES('akshay@gmail.com','12355','akshay',2019115013);
```

```
INSERT INTO USER VALUES('santhosh@gmail.com','22345','santhosh',2019115089);
```

SQL

QNV09796

Tables

Views

MQTs

Aliases

Nicknames

Filter objects

insert

*Untitled - 2 x

*Untitled >

+

</>

Syntax assistant

Run all

History

Find history

| Script | Date | Status | Runtime |
|---|-------------------------|--------|---------|
| ^ Untitled - 1 | Oct 31, 2022 4:37:48 PM | 4 | 0.925 s |
| INSERT INTO USER VALUES('siva@gmail.com','12345','siva',201911... | | | 0.908 s |
| INSERT INTO USER VALUES('vishnu@gmail.com','12344','vishnu',20... | | | 0.906 s |
| INSERT INTO USER VALUES('akshay@gmail.com','12355','akshay',20... | | | 0.906 s |
| INSERT INTO USER VALUES('santhosh@gmail.com','22345','santhosh... | | | 0.905 s |

Output:

| | | | | | | | | | |
|-----|--------------------|--------------|---------------|------------|---------|---------|------|-----------|---------------------|
| ☰ | Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects |
| 🔍 | QNV09796.USER | | | | | | | | Back |
| SQL | | | | | | | | | |
| 🔧 | | | | | | | | | Export to CSV |
| 🔗 | | | | | | | | | |
| 📄 | | | | | | | | | |
| 💡 | | | | | | | | | |
| | EMAIL | PASSWORD | USERNAME | ROLLNO | | | | | |
| | akshay@gmail.com | 12355 | akshay | 2019115013 | | | | | |
| | santhosh@gmail.com | 22345 | santhosh | 2019115089 | | | | | |
| | siva@gmail.com | 12345 | siva | 2019115098 | | | | | |
| | vishnu@gmail.com | 12344 | vishnu | 2019115123 | | | | | |

UPDATE

update user set email='vishnutheep@gmail.com' where rollno=2019115123

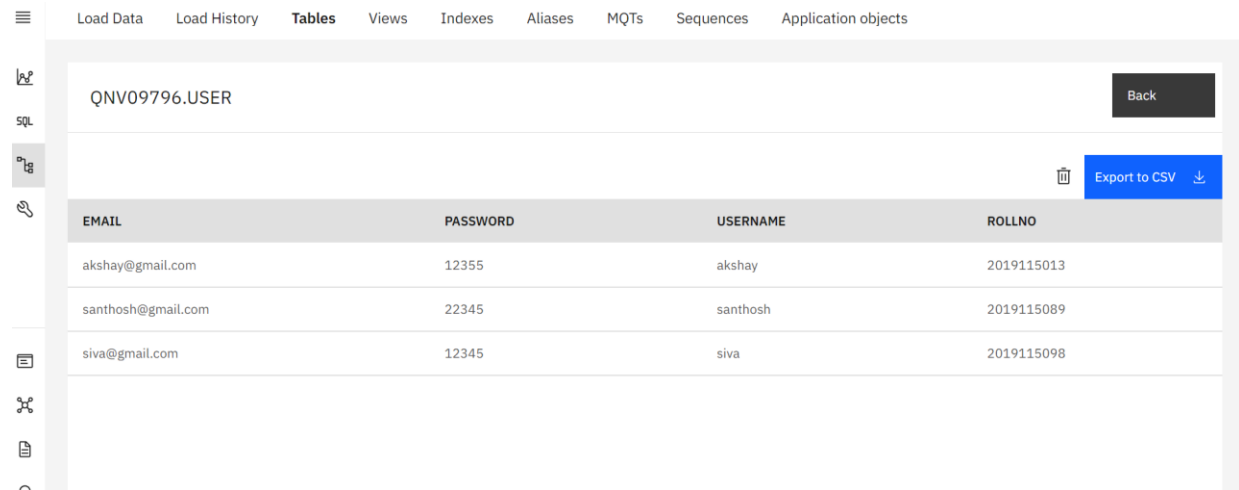
Output:

| | | | | | | | | | |
|-----|-----------------------|--------------|---------------|------------|---------|---------|------|-----------|---------------------|
| ☰ | Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects |
| 🔍 | QNV09796.USER | | | | | | | | Back |
| SQL | | | | | | | | | |
| 🔧 | | | | | | | | | Export to CSV |
| 🔗 | | | | | | | | | |
| 📄 | | | | | | | | | |
| 💡 | | | | | | | | | |
| | EMAIL | PASSWORD | USERNAME | ROLLNO | | | | | |
| | akshay@gmail.com | 12355 | akshay | 2019115013 | | | | | |
| | santhosh@gmail.com | 22345 | santhosh | 2019115089 | | | | | |
| | siva@gmail.com | 12345 | siva | 2019115098 | | | | | |
| | vishnutheep@gmail.com | 12344 | vishnu | 2019115123 | | | | | |

DELETE

delete from user where rollno = 2019115123

output:



| EMAIL | PASSWORD | USERNAME | ROLLNO |
|--------------------|----------|----------|------------|
| akshay@gmail.com | 12355 | akshay | 2019115013 |
| santhosh@gmail.com | 22345 | santhosh | 2019115089 |
| siva@gmail.com | 12345 | siva | 2019115098 |

Question 3:

Connect python code to db2.

Solution 3:

```
from flask import Flask, render_template, request, redirect, url_for, session
```

```
import ibm_db
```

```
app = Flask(_name_)
```

```
app.secret_key = 'a'
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=6667d8e9-9d4d-4ccb-ba32-  
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=SSL;SSLSe  
rverCertificate=DigiCertGlobalRootCA.crt;UID=lfx34122;PWD=jmQDS9wCaxqRIIQd",",")
```

```
if(conn):
```

```
    print("CONNECTED SUCCESSFULLY")
```

```
    print("Connection : "+str(conn))
```

```
    sql="SELECT * FROM USER WHERE rollno=2019115123"
```

```
email="siva@gmail.com"stmt =  
ibm_db.prepare(conn,sql)  
ibm_db.execute(stmt)  
acc = ibm_db.fetch_assoc(stmt)  
if acc:  
    print(acc)  
if __name__=='_main_':  
    app.run()
```

