

Assignment -2

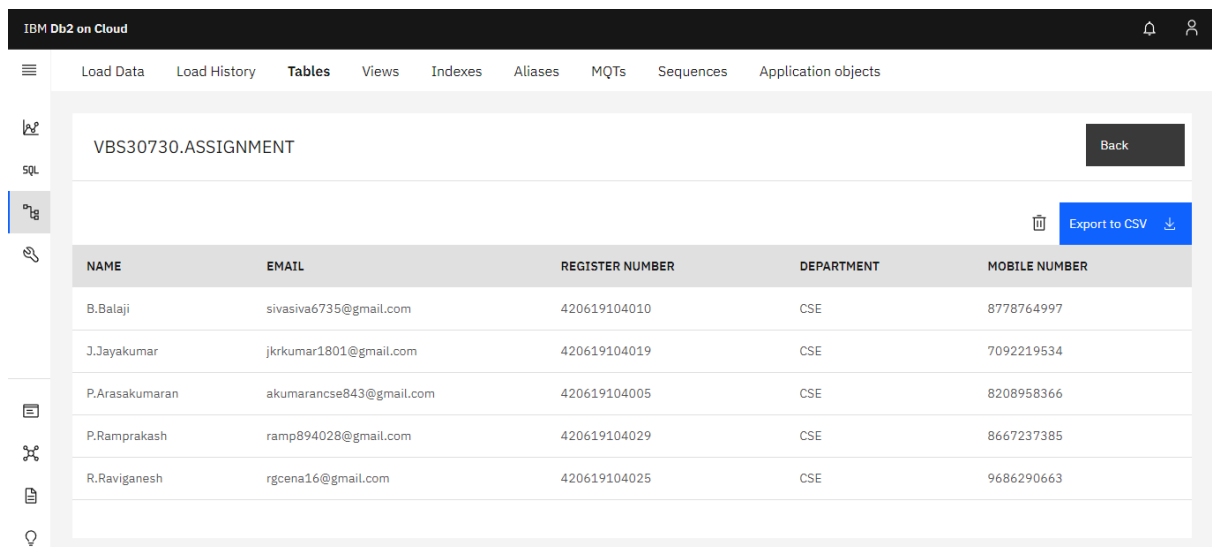
| | |
|---------------------|-----------------------------------|
| Assignment Date | 16 September 2022 |
| Student Name | Raviganesh. B |
| Student Roll Number | 420619104030 |
| Maximum Marks | 2 Marks |
| Project Name | Job/skill recommender application |

Question-1:

1) Create 5 tables in IBM db2 and insert data by using insert query.

Solution:

```
INSERT INTO ASSIGNMENT (NAME,EMAIL,REGISTER NUMBER,DEPARTMENT,MOBILE NUMBER)
VALUES('IBM','test@ibm.com','9000');
```



| Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects |
|-------------------------------|--------------------------|-----------------|------------|---------------|---------|------|-----------|---------------------|
| VBS30730.ASSIGNMENT | | | | | | | | |
| Export to CSV | | | | | | | | |
| NAME | EMAIL | REGISTER NUMBER | DEPARTMENT | MOBILE NUMBER | | | | |
| B.Balaji | sivasiva6735@gmail.com | 420619104010 | CSE | 8778764997 | | | | |
| J.Jayakumar | jkrkumar1801@gmail.com | 420619104019 | CSE | 7092219534 | | | | |
| P.Arasakumaran | akumarancse843@gmail.com | 420619104005 | CSE | 8208958366 | | | | |
| P.Ramprakash | ramp894028@gmail.com | 420619104029 | CSE | 8667237385 | | | | |
| R.Raviganesh | rgcena16@gmail.com | 420619104025 | CSE | 9686290663 | | | | |

Question-2:

2) Perform UPDATE, DELETE queries in 5 tables.

Solution:

UPDATE ASSIGNMENT

SET Mobile Number ='Phone Number'

WHERE Name=R.Raviganesh;

DELETE FROM ASSIGNMENT

WHERE [A.Arunkumar]

Question-3:

3) Load excel comma separated file to db2?

Solution:

| NAME | EMAIL | REGISTER NUMBER | DEPARTMENT | PHONE NUMBER |
|----------------|--|-----------------|------------|--------------|
| A.Arunkumar | arunkumar04042002a@gmail.com | 420619104008 | CSE | 9150671908 |
| P.Ramprakash | ramp894028@gmail.com | 420619104029 | CSE | 8667237385 |
| J.Jayakumar | jkrkumar1801@gmail.com | 420619104019 | CSE | 7092219534 |
| B.Balaji | sivasiva6735@gmail.com | 420619104010 | CSE | 8778764997 |
| P.Arasakumaran | akumarancse843@gmail.com | 420619104005 | CSE | 8208958366 |

| IBM Db2 on Cloud | | | | | |
|---|--------------------------|-----------------|------------|---------------|--|
| Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects | | | | | |
| VBS30730.ASSIGNMENT Back | | | | | |
| Export to CSV ↓ | | | | | |
| NAME | EMAIL | REGISTER NUMBER | DEPARTMENT | MOBILE NUMBER | |
| B.Balaji | sivasiva6735@gmail.com | 420619104010 | CSE | 8778764997 | |
| J.Jayakumar | jkrkumar1801@gmail.com | 420619104019 | CSE | 7092219534 | |
| P.Arasakumaran | akumarancse843@gmail.com | 420619104005 | CSE | 8208958366 | |
| P.Ramprakash | ramp894028@gmail.com | 420619104029 | CSE | 8667237385 | |
| R.Raviganesh | rgcena16@gmail.com | 420619104025 | CSE | 9686290663 | |

Question-4:

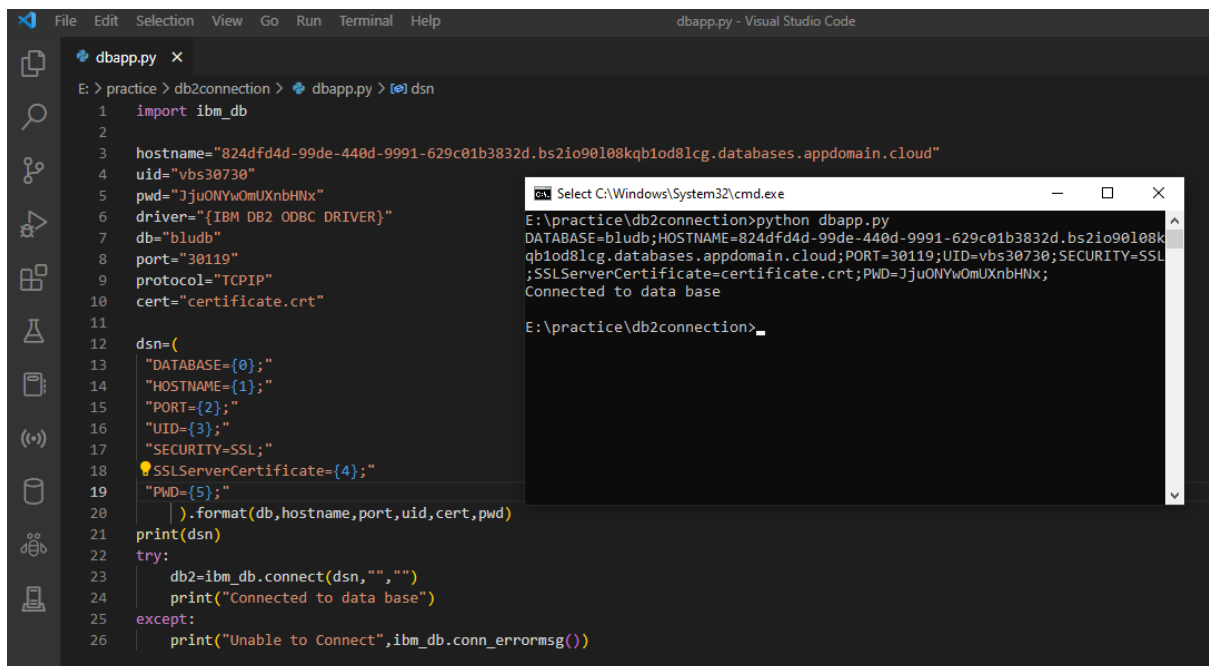
4) Connect python to db2.

Solution:

```
import ibm_db
```

```
hostname="824dfd4d-99de-440d-9991629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
uid="vbs30730"
pwd="JjuONYwOmUXnbHNx"
driver="{IBM DB2 ODBC DRIVER}"
db="bludb"
port="30119"
protocol="TCPIP"
cert="certificate.crt"
```

```
dsn=(
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "SSLServerCertificate={4};"
    "PWD={5};"
).format(db,hostname,port,uid,cert,pwd)
print(dsn)
try:
    db2=ibm_db.connect(dsn,"","")
    print("Connected to data base")
except:
    print("Unable to Connect",ibm_db.conn_errormsg())
```



The screenshot shows the Visual Studio Code editor with a file named `dbapp.py` open. The code in the file is as follows:

```
1 import ibm_db
2
3 hostname="824dfd4d-99de-440d-9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
4 uid="vbs30730"
5 pwd="JjuONYwOmUXnbHNx"
6 driver="{IBM DB2 ODBC DRIVER}"
7 db="bludb"
8 port="30119"
9 protocol="TCPIP"
10 cert="certificate.crt"
11
12 dsn=(
13     "DATABASE={0};"
14     "HOSTNAME={1};"
15     "PORT={2};"
16     "UID={3};"
17     "SECURITY=SSL;"
18     "SSLServerCertificate={4};"
19     "PWD={5};"
20     ).format(db,hostname,port,uid,cert,pwd)
21 print(dsn)
22 try:
23     db2=ibm_db.connect(dsn,"","")
24     print("Connected to data base")
25 except:
26     print("Unable to Connect",ibm_db.conn_errormsg())
```

Below the editor, a terminal window titled "Select C:\Windows\System32\cmd.exe" shows the execution of the script. The output is:

```
E:\practice\db2connection>python dbapp.py
DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;UID=vbs30730;SECURITY=SSL;SSLServerCertificate=certificate.crt;PWD=JjuONYwOmUXnbHNx;
Connected to data base
E:\practice\db2connection>
```

