

Assignment -2

Assignment Date	16 September 2022
Student Name	Parthiban. M
Student Roll Number	420619104026
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');
```

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:

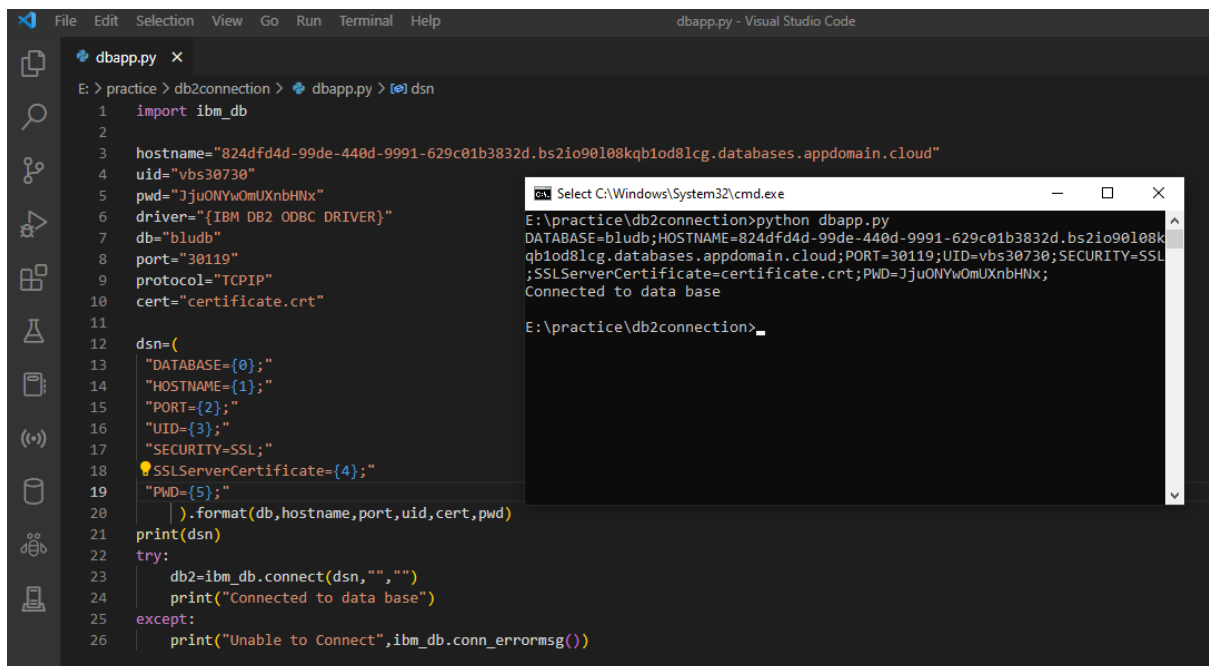
4) Connect python to db2.

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 is open, showing the command prompt output of running the script:

```
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>
```

