

Assignment -2

Assignment Date	16 September 2022
Student Name	Arasakumaran.P
Student Roll Number	420619104005
Maximum Marks	2 Marks
Project Name	Plasma Donor Application

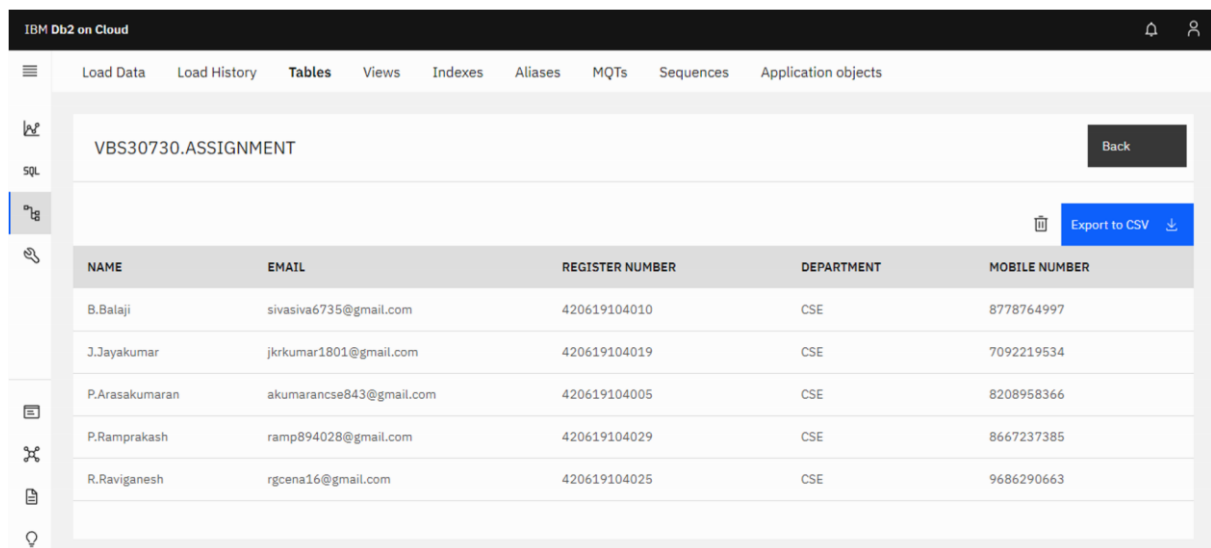
Question-1:

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');
```



IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

VBS30730.ASSIGNMENT Back

Export to CSV Download

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())
```

```
File Edit Selection View Go Run Terminal Help dbapp.py - Visual Studio Code

dbapp.py x
E: > practice > db2connection > dbapp.py > dsn
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="TCP/IP"
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())
```

```
Select C:\Windows\System32\cmd.exe
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>
```