NAME: GOKUL R
REGISTER NO: 732219CS030

1.CREATE 5 TABLES IN IBM db2 and insert data by using insert query.
And
2.PERFORM UPDATE , DELETE QUERIES in 5 tables:

TABEL 1

INSERT INTO table5 (NAME, ID)

VALUES ('Ram', '1');

INSERT INTO table5 (NAME, ID)

VALUES ('Gokul', '2');

INSERT INTO table5 (NAME, ID)

VALUES ('Raj', '3');

UPDATE table5

SET ID = '6'

WHERE Name = 'Raj';

DELETE FROM table5

WHERE ID = '1';

LCX41082.TABLE1	Back

🗑 Export to CSV ↓

NAME	DEPARTMENT
Raj	MECH
Ram	CSE

TABLE2

INSERT INTO table2 (NAME, NUMBER)

VALUES ('Ram', '90');

INSERT INTO table2 (NAME, NUMBER)

VALUES ('Gokul', '80');

INSERT INTO table2 (NAME, NUMBER)

VALUES ('Raj', '100');

UPDATE table2

SET NUMBER = '120'

WHERE Name = 'Raj';

DELETE FROM table2

WHERE NUMBER = '80';

LCX41082.TABLE2	Back

🗑 Export to CSV ⬇

NAME	NUMBER
Raj	120
Ram	90

TABLE3

INSERT INTO table3 (NAME, EMAIL)

VALUES ('Ram', 'AV@@GMAIL.COM');

INSERT INTO table3 (NAME, EMAIL)

VALUES ('Gokul', 'JK@GMAIL.COM');

INSERT INTO table3 (NAME, EMAIL)

VALUES ('Raj', 'IO@GMAIL.COM');

UPDATE table3

SET EMAIL = 'RR@GMAIL.COM'

WHERE Name = 'Raj';

DELETE FROM table3

WHERE NAME = 'Gokul';

Back

Export to CSV ↓

NAME	EMAIL
Raj	RR@GMAIL.COM
Ram	AV@@GMAIL.COM

TABLE 4

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Ram', 'ERODE');

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Gokul', 'CHENNAI');

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Raj', 'MADURAI');

UPDATE table4

SET LOCATION = 'DELHI'

WHERE Name = 'Raj';

DELETE FROM table4

WHERE LOCATION = 'MADURAI';

LCX41082.TABLE4

Back

Export to CSV ↓

NAME	LOCATION
Gokul	CHENNAI
Raj	DELHI
Ram	ERODE

TABLE 5

```
INSERT INTO table5 (NAME, ID)
VALUES ('Ram', '1');

INSERT INTO table5 (NAME, ID)

VALUES ('Gokul', '2');

INSERT INTO table5 (NAME, ID)

VALUES ('Raj', '3');


UPDATE table5

SET ID = '6'

WHERE Name = 'Raj';


DELETE FROM table5

WHERE ID = '1';
```

LCX41082.TABLE5		Back

🗑 Export to CSV ⬇

NAME	ID
Gokul	2
Raj	6

3. LOAD EXCEL COMMA SEPERATED FILE TO db2

LCX41082.FILE

Export to CSV ⬇

Attendance for:	class-list	COLUMN_2	COLUMN_3	COLUMN_4	COLUMN_5	COLUMN_6	COLUMN_7	COLUMN_8
Bharath Raj	✓			19:51	19:52	2	1	
Date:	2022-05-11	Time:	19:52	Meet ID:	ncp-zpcz-zzb			
Help/more info:	https://tinyurl.com/y5peu3nk							
Names	2022-05-11	Email	Comments	Arrival time	Last Seen	# of Checks	Joined	Details
Somnath Gorai	✓			19:51	19:52	2	1	

4.CONNECT PYTHON TO db2:

```python
import ibm_db

hostname = '19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'lcx41082'
pwd = 'TyLII4Gaq6d1dI9x'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '30699'
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("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())
```

```
Command Prompt                                                    —    □    ✕

Microsoft Windows [Version 10.0.19044.2006]
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C:\Users\vrmoh>cd PycharmProjects

C:\Users\vrmoh\PycharmProjects>cd tooo

C:\Users\vrmoh\PycharmProjects\tooo>python ibm.py
Traceback (most recent call last):
  File "C:\Users\vrmoh\PycharmProjects\tooo\ibm.py", line 12, in <module>
    dsn = (
AttributeError: 'tuple' object has no attribute 'format'

C:\Users\vrmoh\PycharmProjects\tooo>python ibm.py
DATABASE = bludb;HOSTNAME = 19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 3
0699;UID = lcx41082;SECURITY = SSL;SSlServerCertificate = Certificate.crt;PWD = TyLII4Gaq6d1dI9x;
connect to database

C:\Users\vrmoh\PycharmProjects\tooo>
```