NAME: GOKUL R

REGISTER NO: 732219CS030

1.CREATE 5 TABLES IN IBM db2 and insert data by using insert query.

<u>And</u>

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
NAME
                                       DEPARTMENT
Raj
                                       MECH
```

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';



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';

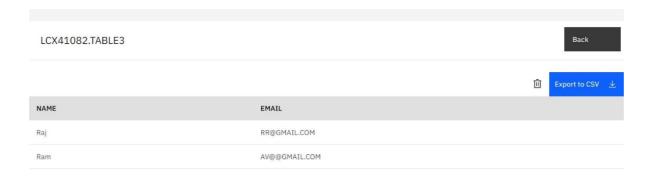


TABLE 4

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Ram', 'ERODE');

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Gokul', 'CHENNAI');

INSERT INTO table4 (NAME, LOCATION)

VALUES ('Raj', 'MADURAI');

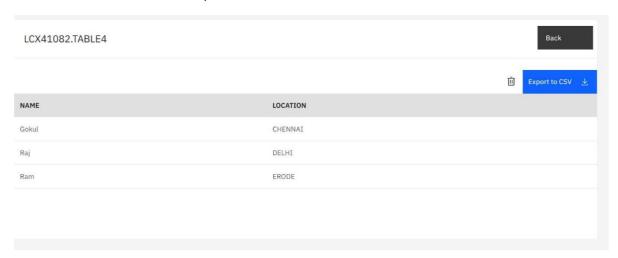
UPDATE table4

SET LOCATION = 'DELHI'

WHERE Name = 'Raj';

DELETE FROM table4

WHERE LOCATION = 'MADURAI';



```
INSERT INTO table5 (NAME, ID)
VALUES ('Ram', '1');
INSERT INTO table5 (NAME, ID)
VALUES ('Gokul', '2');
INSERT INTO table5 (NAME, ID)
VALUES ('Raj', '3');

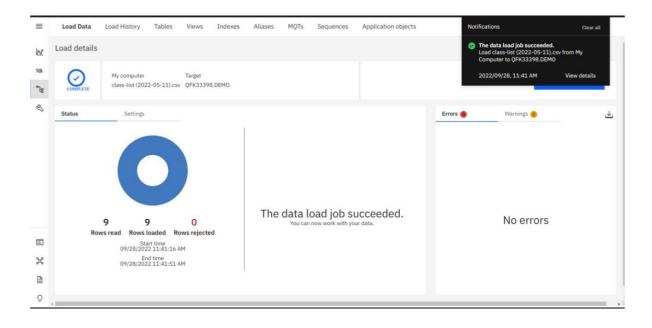
UPDATE table5
SET ID = '6'
WHERE Name = 'Raj';
```

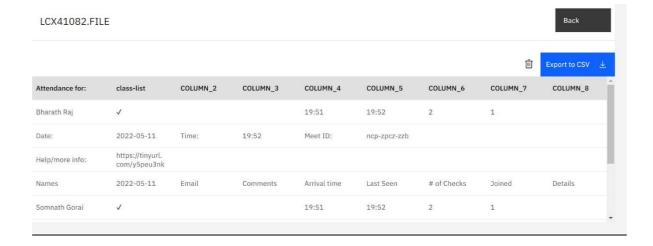
DELETE FROM table5

WHERE ID = '1';



3. LOAD EXCEL COMMA SEPERATED FILE TO db2





4.CONNECT PYTHON TO db2:

```
import ibm_db
hostname = '19af6446-6171-4641-8aba-
9dcff8elb6ff.clogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'lcx41082'
pwd = 'TyLI14Gag6dd19x'
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;"
    "SSIServerCertificate = {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())
```

