

**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

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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  |
|-----------------|--------|---|
|                 |        |  <a href="#">Export to CSV</a>  |
| 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';
```

| LCX41082.TABLE3 |              | Back  |
|-----------------|--------------|---|
|                 |              |  <a href="#">Export to CSV</a>  |
| 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  |
|-----------------|----------|---|
|                 |          |  <a href="#">Export to CSV</a>  |
| 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

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Load details

COMPLETE

My computer  
class-list (2022-05-11).csv

Target  
QFK33398.DEMO

Status

Settings

9

9

0

Rows read

Rows loaded

Rows rejected

Start time  
09/28/2022 11:41:16 AM

End time  
09/28/2022 11:41:51 AM

The data load job succeeded.  
You can now work with your data.

No errors

Errors

Warnings

Notifications

Clear all

The data load job succeeded.

Load class-list (2022-05-11).csv from My Computer to QFK33398.DEMO

2022/09/28, 11:41 AM

View details

LCX41082.FILE

Back



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: | <a href="https://tinyurl.com/y5peu3nk">https://tinyurl.com/y5peu3nk</a> |          |          |              |              |             |          |          |
| 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:

```
import ibm_db

hostname = '19af6446-6171-4641-8aba-9dcff8e1b6ff.clogj3sd0tgtu0lqde00.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]
(c) Microsoft Corporation. All rights reserved.

C:\Users\vrroh>cd PycharmProjects

C:\Users\vrroh\PycharmProjects>cd tooo

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

C:\Users\vrroh\PycharmProjects\tooo>python ibm.py
DATABASE = bludb;HOSTNAME = 19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 3
0699;UID = 1cx41082;SECURITY = SSL;SSLServerCertificate = Certificate.crt;PWD = TyLII4Gaq6d1dI9x;
connect to database

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