ASSIGNMENT – 2

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NAME : DINESHBABU K

PROJECT NAME : SKILL / JOB RECOMMENDER APPLICATION

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

2.PERFORM UPDATE , DELETE QUERIES in 5 tables.

TABLE1:

```
INSERT INTO TABLE1 (NAME, ID)

VALUES ('RAM', '1');

INSERT INTO TABLE1 (NAME, ID)

VALUES ('GOKUL', '3');

INSERT INTO TABLE1 (NAME, ID)

VALUES ('RAJ', '2');


UPDATE TABLE1

SET ID = '2'

WHERE NAME = 'GOKUL';


DELETE FROM TABLE1

WHERE ID = '2';
```
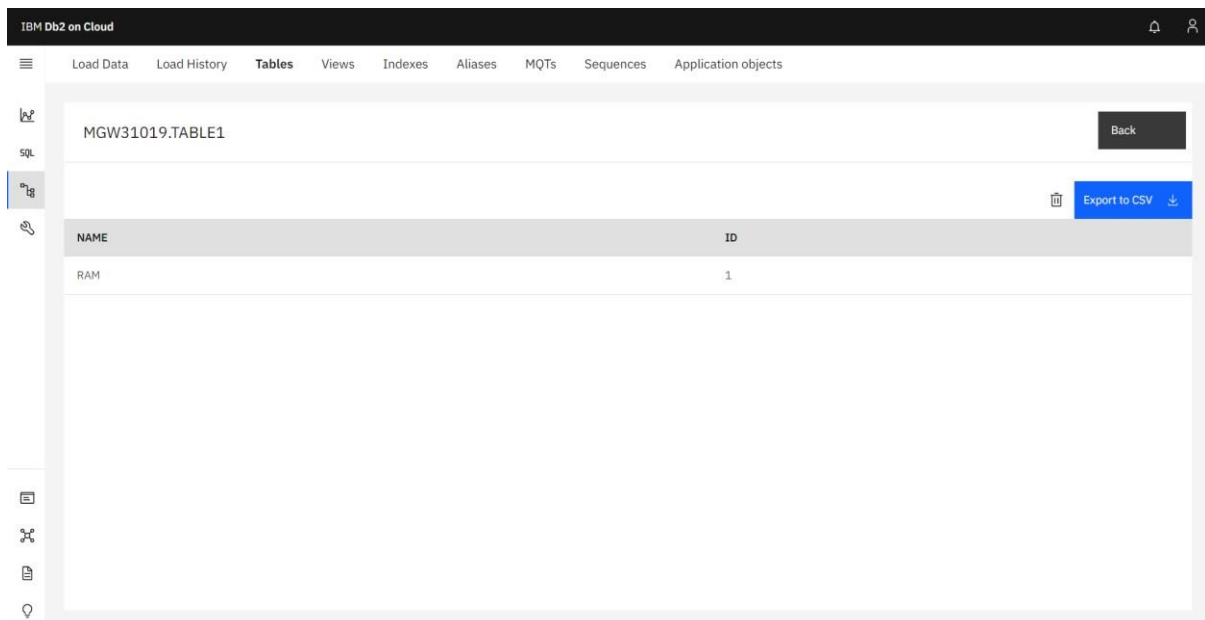
OUTPUT:

TABLE2:

```
INSERT INTO TABLE2 (NAME, GENDER)

VALUES ('RAM', 'M');

INSERT INTO TABLE2 (NAME, GENDER)

VALUES ('GOKUL', 'F');

INSERT INTO TABLE2 (NAME, GENDER)

VALUES ('RAJ', 'M');


UPDATE TABLE2

SET GENDER = 'M'

WHERE NAME = 'GOKUL';


DELETE FROM TABLE2

WHERE NAME = 'RAJ';
```
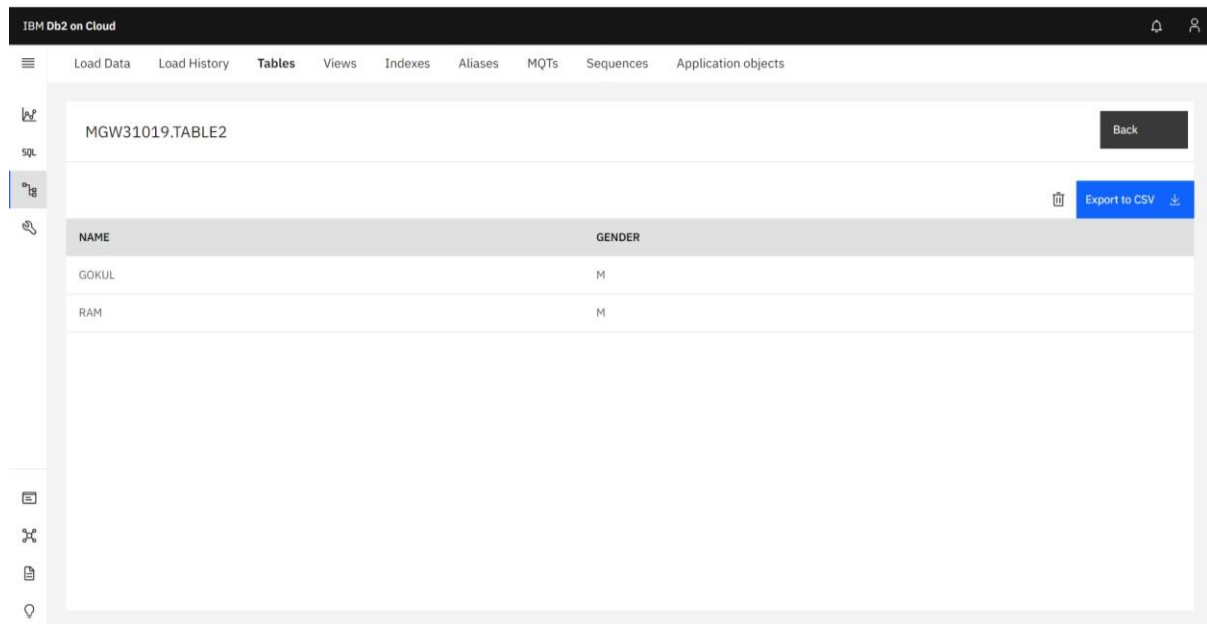
OUTPUT:

TABLE3:

INSERT INTO TABLE3 (NAME, LOCATION)

VALUES ('RAM', 'CHENNAI');

INSERT INTO TABLE3 (NAME, LOCATION)

VALUES ('GOKUL', 'ERODE');

INSERT INTO TABLE3 (NAME, LOCATION)
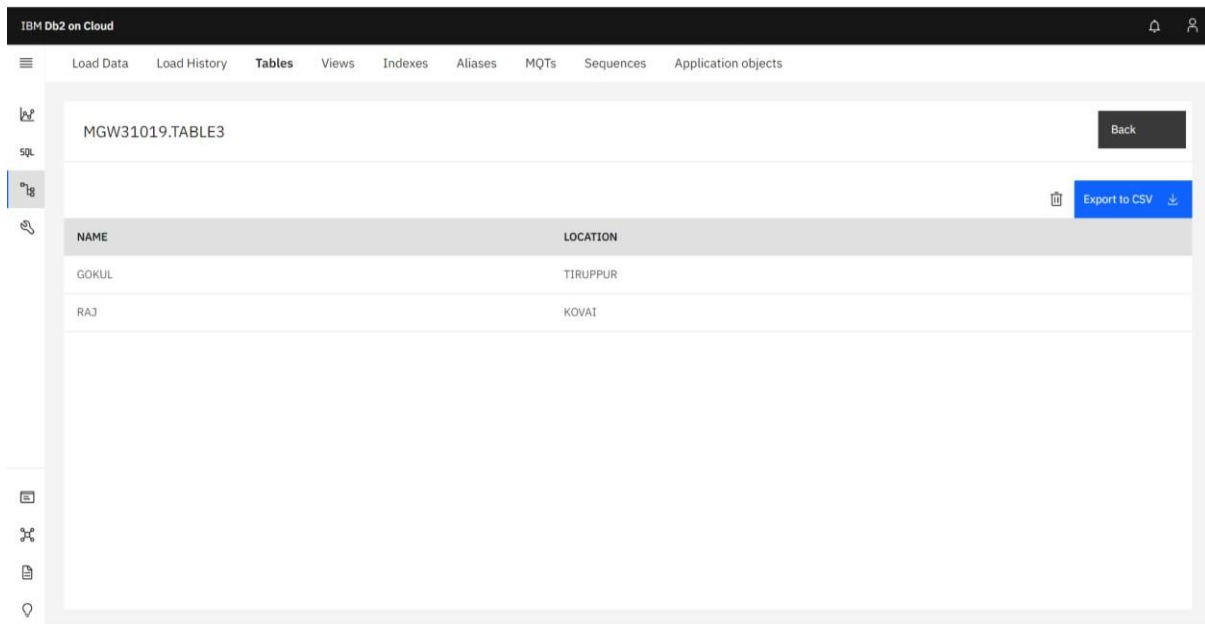
VALUES ('RAJ', 'KOVAI');

UPDATE TABLE3

SET LOCATION = 'TIRUPPUR'

WHERE NAME = 'GOKUL';

DELETE FROM TABLE3

WHERE LOCATION = 'CHENNAI';

OUTPUT:

IBM Db2 on Cloud

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

MGW31019.TABLE3   Back

Export to CSV

NAME	LOCATION
GOKUL	TIRUPPUR
RAJ	KOVAI

TABLE4:

INSERT INTO TABLE4 (NAME, LANG)

VALUES ('RAM', 'HINDI');

INSERT INTO TABLE4 (NAME, LANG)

VALUES ('GOKUL', 'TAMIL');

INSERT INTO TABLE4 (NAME, LANG)

VALUES ('RAJ', 'ENGLISH');

UPDATE TABLE4

SET LANG = 'TAMIL'

WHERE NAME = 'RAJ';

DELETE FROM TABLE4

WHERE LANG = 'HINDI';

OUTPUT:

TABLE5:

INSERT INTO TABLE5 (NAME, PASSWORD)

VALUES ('RAM', '123');

INSERT INTO TABLE5 (NAME, PASSWORD)

VALUES ('GOKUL', '234');

INSERT INTO TABLE5 (NAME, PASSWORD)

VALUES ('RAJ', '456');

UPDATE TABLE5

SET PASSWORD = '345'

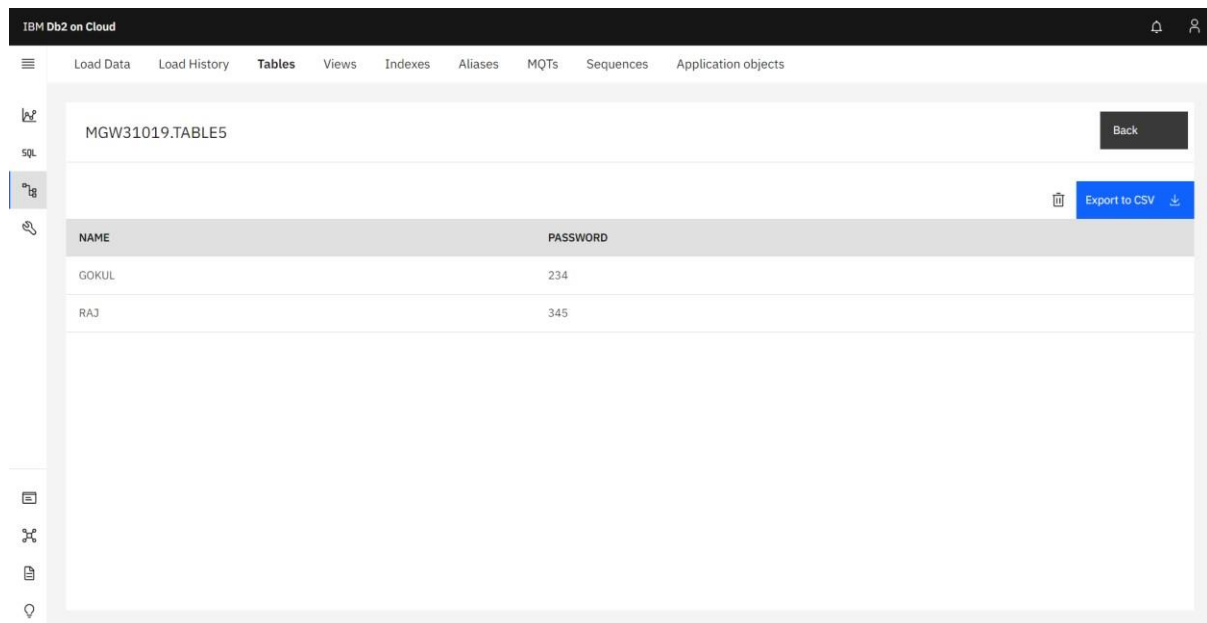WHERE NAME = 'RAJ';

DELETE FROM TABLE5

WHERE PASSWORD = '123';

OUTPUT:

3.LOAD EXCEL COMMA SEPERATED FILE TO db2:
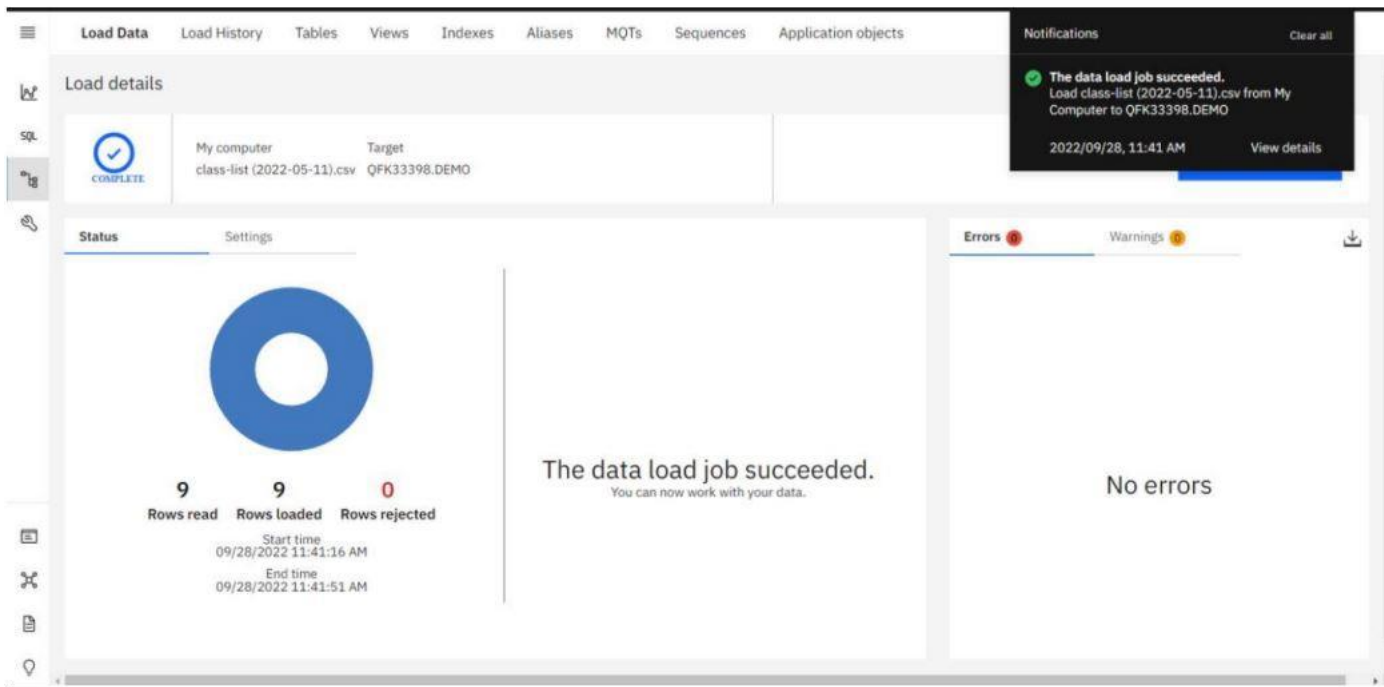
Attendance for:	class-list	COLUMN_2	COLUMN_3	COLUMN_4	COLUMN_5	COLUMN_6	COLUMN_7	COLUMN_8
Bharath Raj	✓			19:51	19:52	2	1	
Date:	2022-05-11	Time:	19:52	Meet ID:	ncp-zpcz-zzb			
Help/more info:	https://tinyurl.com/y5peu3nk							
Names	2022-05-11	Email	Comments	Arrival time	Last Seen	# of Checks	Joined	Details
Somnath Gorai	✓			19:51	19:52	2	1	

4.CONNECT PYTHON TO db2:

CODING:

```
import ibm_db
hostname = '19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'mgw31019'
pwd = '7yZWf9eVjAKLLYRr'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '30699'
protocol = 'TCPIP'
```

```python
cert = 'DBCertificate.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())
```
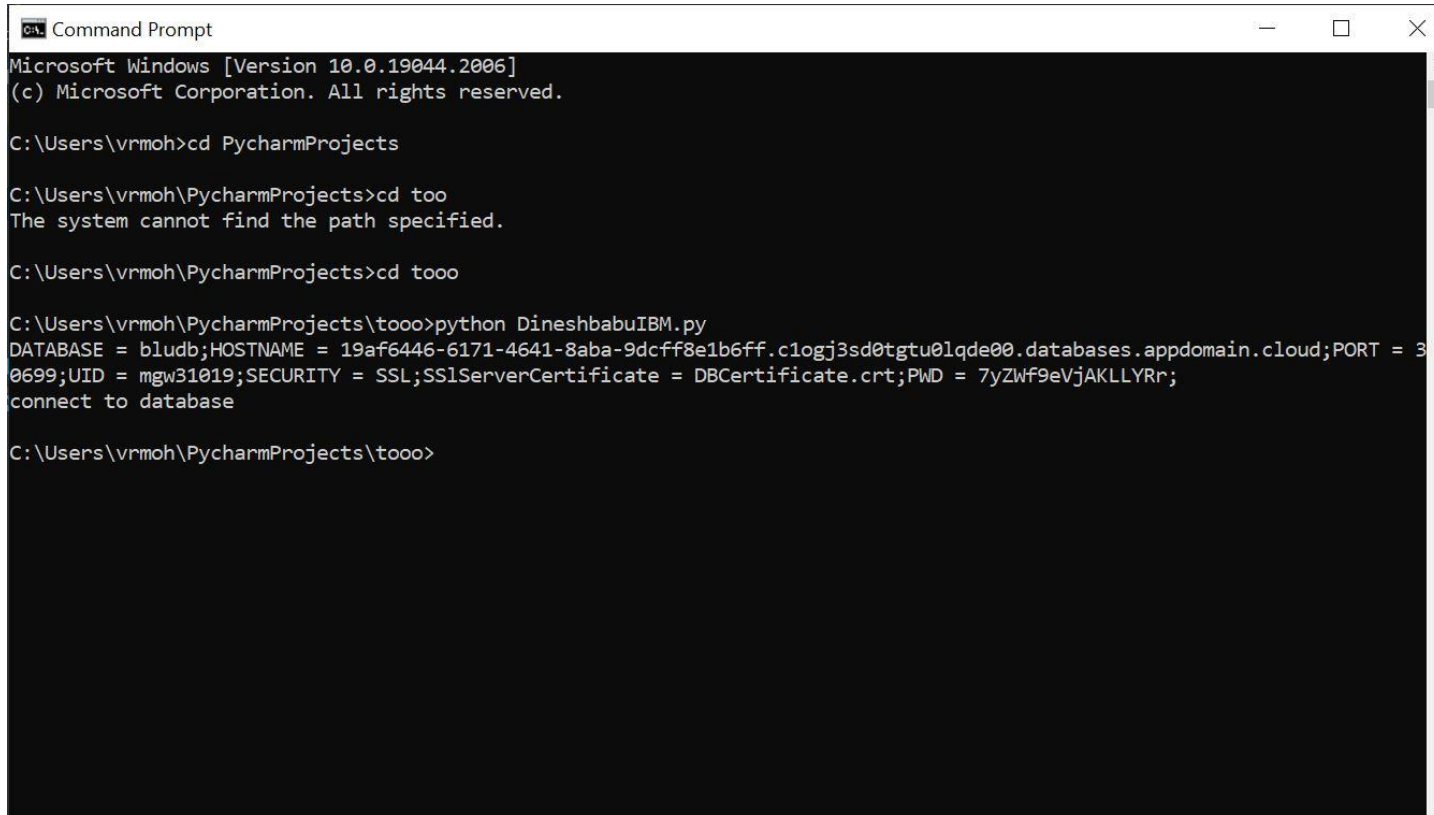
OUTPUT: