ASSIGNMENT – 2

TEAM ID : PNT2022TMID19415

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:

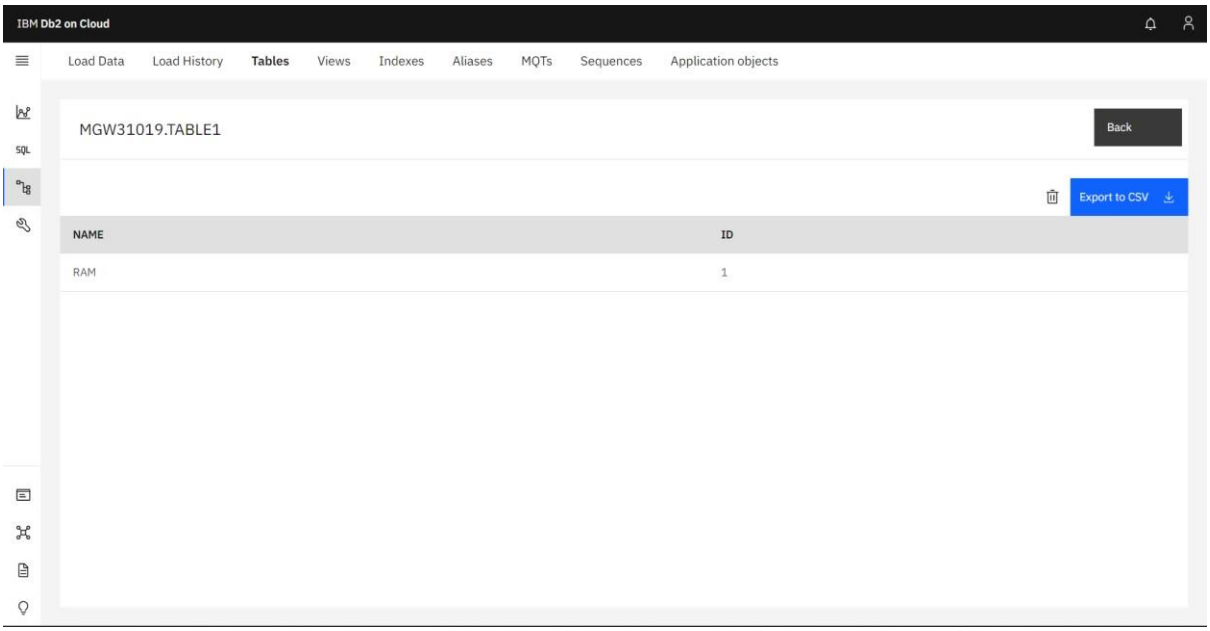


TABLE2:

```
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:

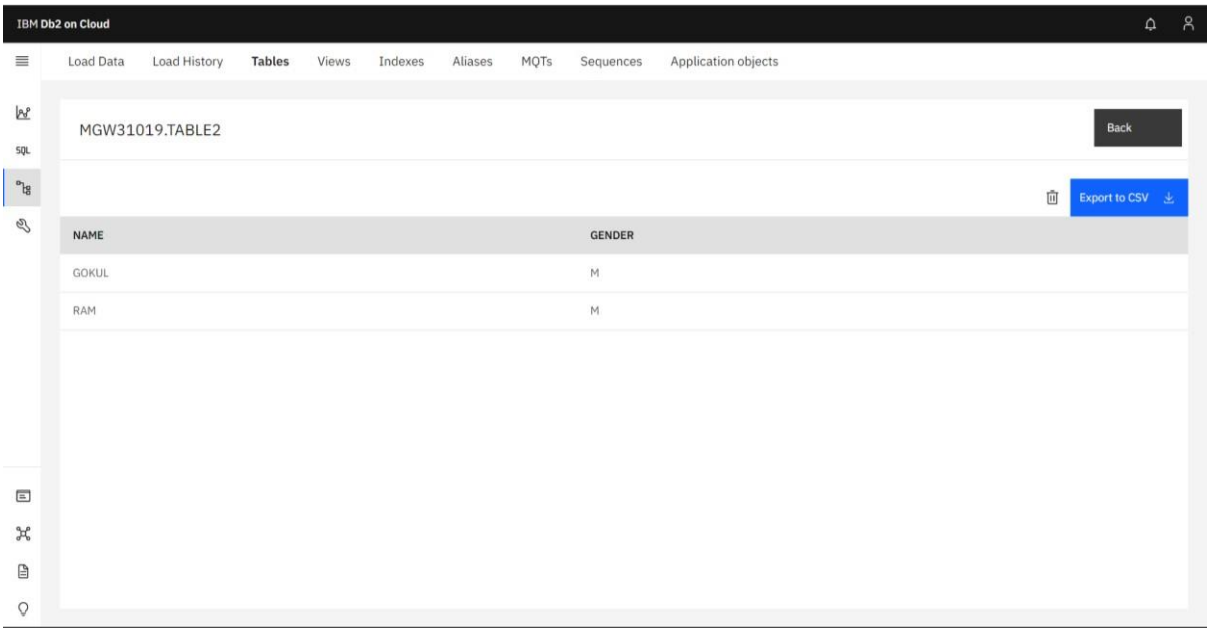


TABLE3:

```
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:

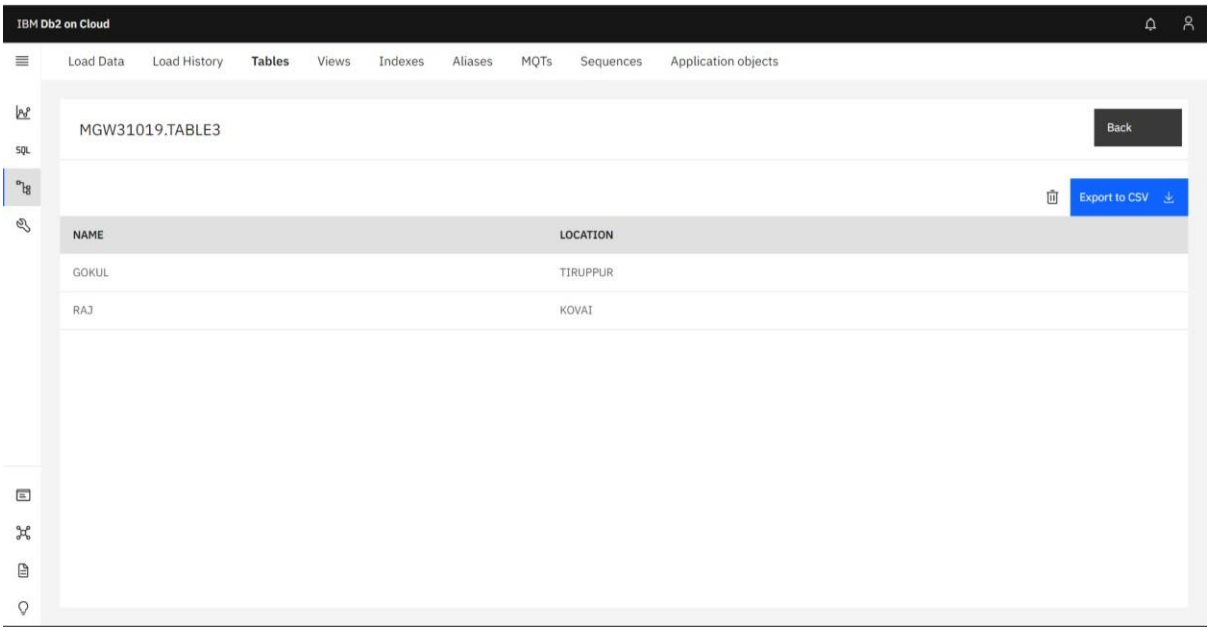


TABLE4:

```
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:

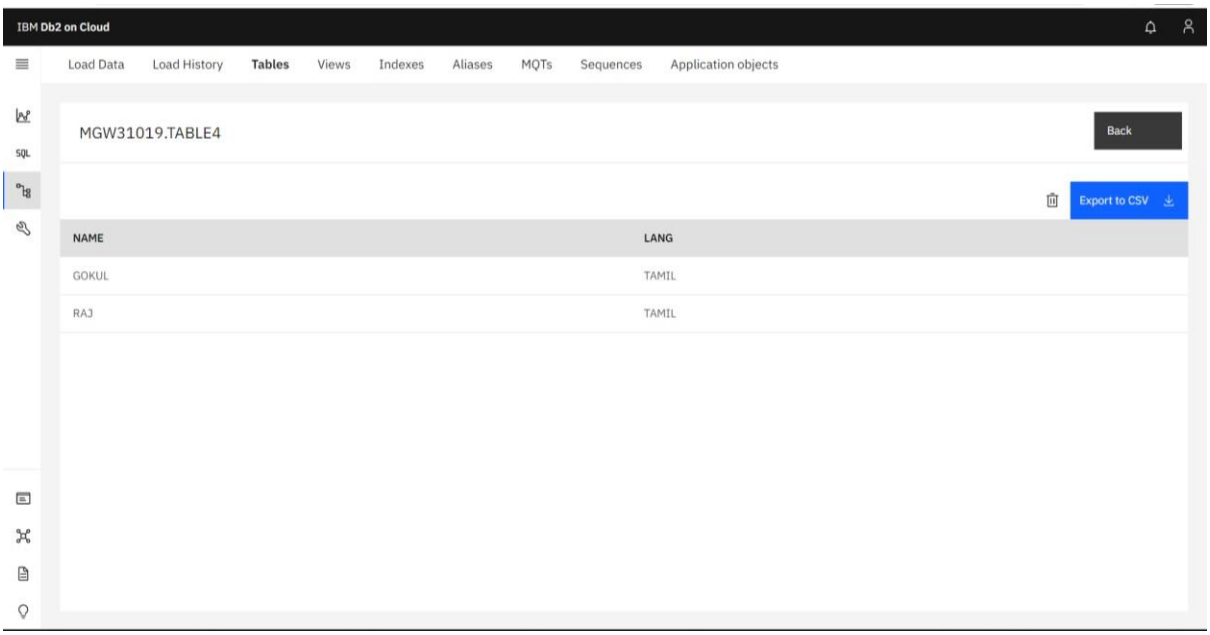


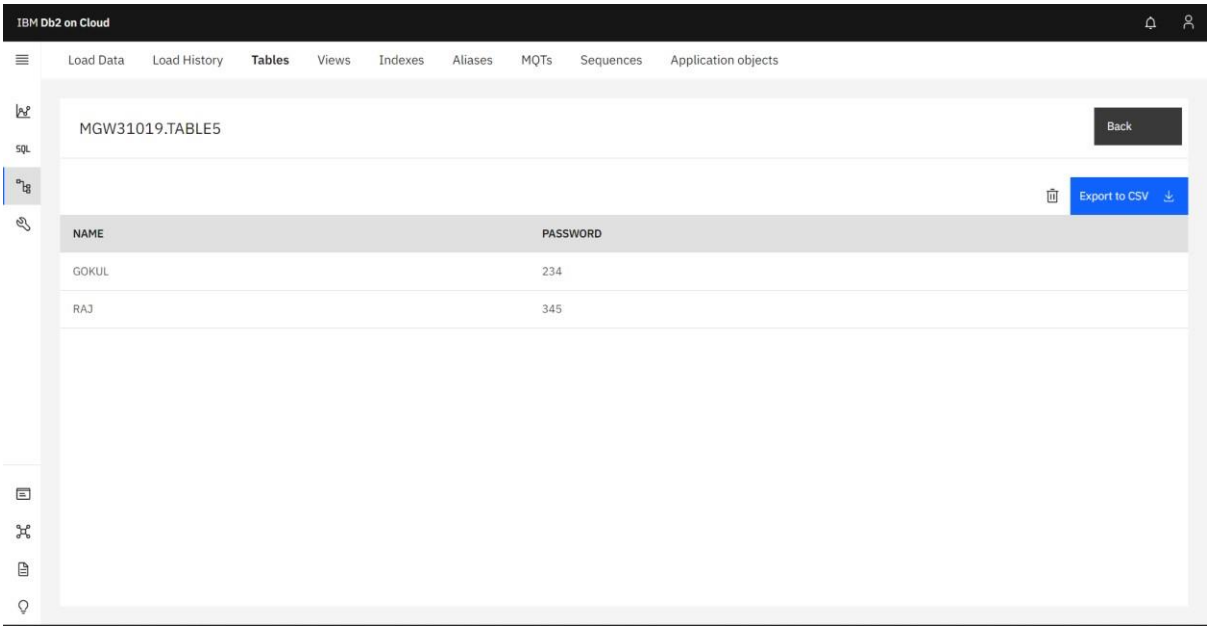
TABLE5:

```
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:

CODING:

"Attendance for:","class-list"

"Date:", "2022-05-11", "Time:", "19:52", "Meet ID:", "ncp-zpcz-zzb"

"Names", "2022-05-11", "Email", "Comments", "Arrival time", "Last Seen", "# of Checks", "Joined", "Details"

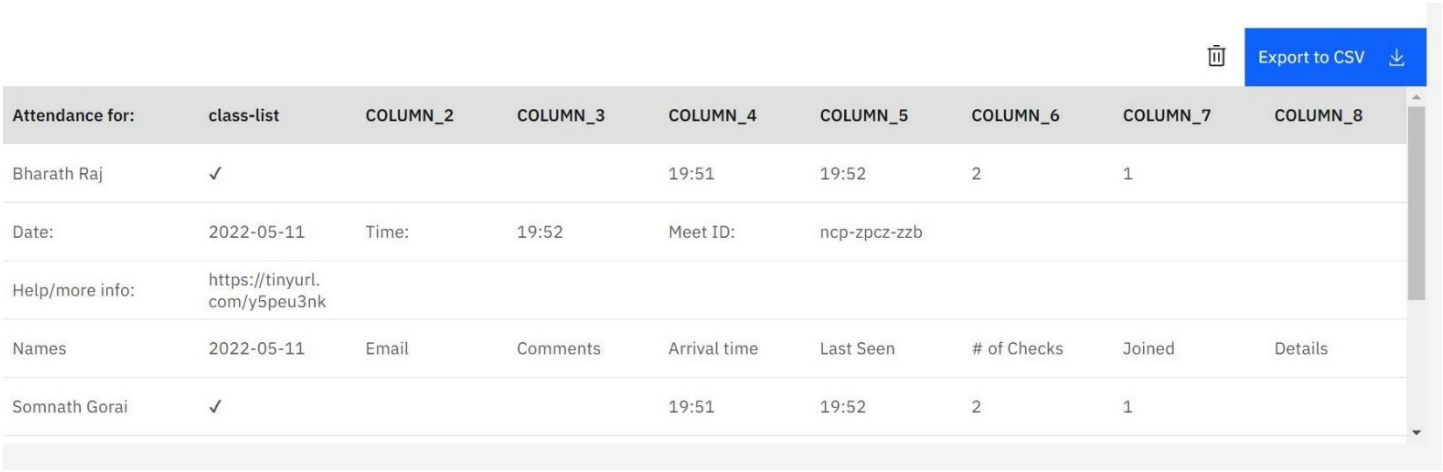
"Somnath Gorai", " ✓", "", "", "19:51", "19:52", "2", "1"

"Bharath Raj", " ✓", "", "", "19:51", "19:52", "2", "1"

"Help/more info:", "https://tinyurl.com/y5peu3nk"

"© Google Meet Attendance","https://tinyurl.com/y6k2yqts”

OUTPUT:



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'
```

```
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: