

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
```

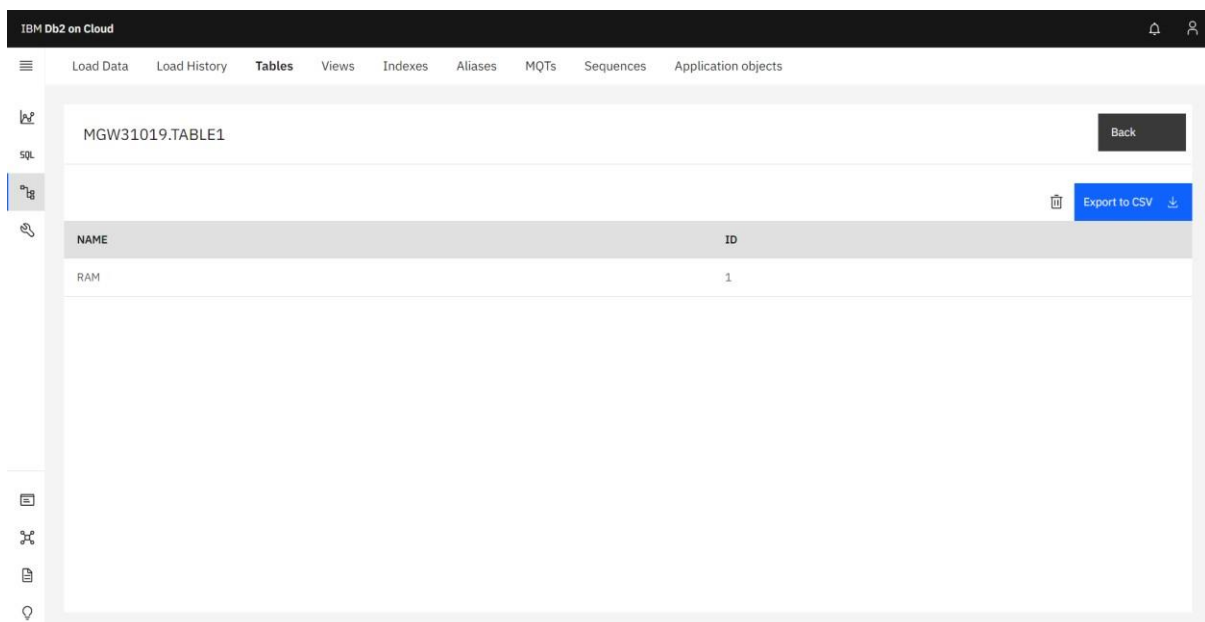
```
SET ID = '2'
```

```
WHERE NAME = 'GOKUL';
```

```
DELETE FROM TABLE1
```

```
WHERE ID = '2';
```

OUTPUT:



The screenshot shows the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected, and the table 'MGW31019.TABLE1' is displayed. The table has two columns: 'NAME' and 'ID'. The data row shows 'RAM' in the 'NAME' column and '1' in the 'ID' column. There are buttons for 'Back', 'Export to CSV', and a trash icon. The left sidebar contains icons for 'SQL', 'Data', 'Schema', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'.

NAME	ID
RAM	1

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:

The screenshot shows the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected. On the left, there is a sidebar with icons for 'Load Data', 'SQL', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main area displays the table 'MGW31019.TABLE2'. A 'Back' button is in the top right corner. Below the table name, there is a table with two columns: 'NAME' and 'GENDER'. The table contains two rows: one with 'GOKUL' and 'M', and another with 'RAM' and 'M'. An 'Export to CSV' button is located in the top right corner of the table area.

NAME	GENDER
GOKUL	M
RAM	M

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
```

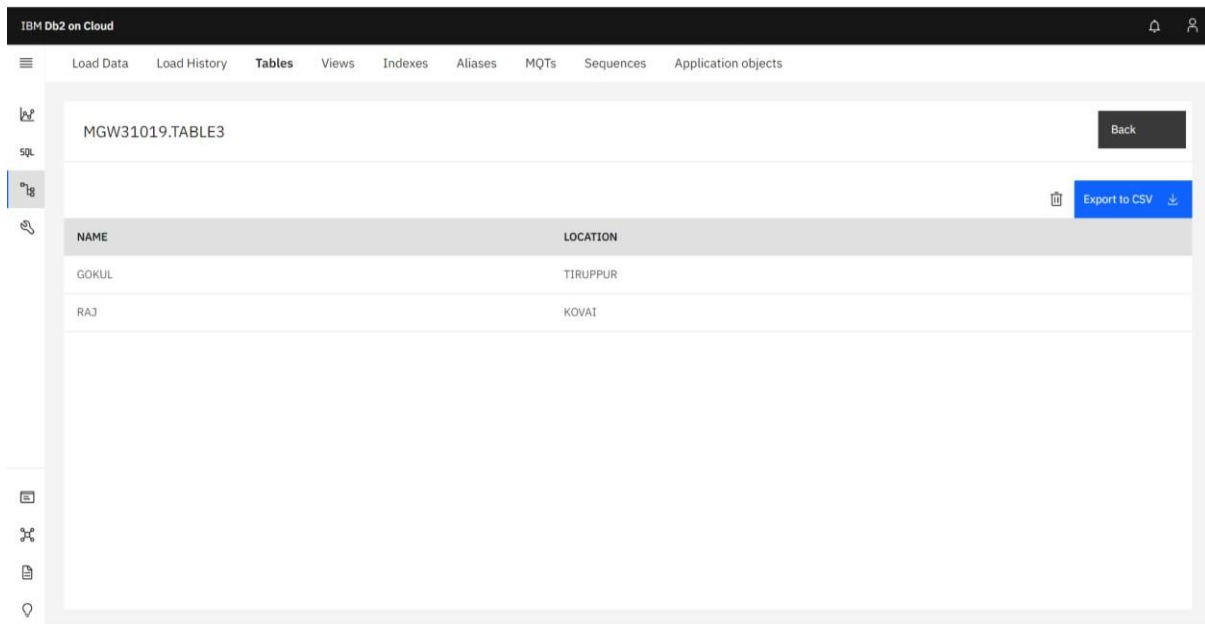
```
SET LOCATION = 'TIRUPPUR'
```

```
WHERE NAME = 'GOKUL';
```

```
DELETE FROM TABLE3
```

```
WHERE LOCATION = 'CHENNAI';
```

OUTPUT:



The screenshot shows the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected, displaying 'MGW31019.TABLE3'. A 'Back' button is in the top right. Below the table name, there is an 'Export to CSV' button with a download icon. The table structure is shown with two columns: 'NAME' and 'LOCATION'. The data rows are:

NAME	LOCATION
GOKUL	TIRUPPUR
RAJ	KOVAI

TABLE4:

```
INSERT INTO TABLE4 (NAME, LANG)
VALUES ('RAM', 'HINDI');

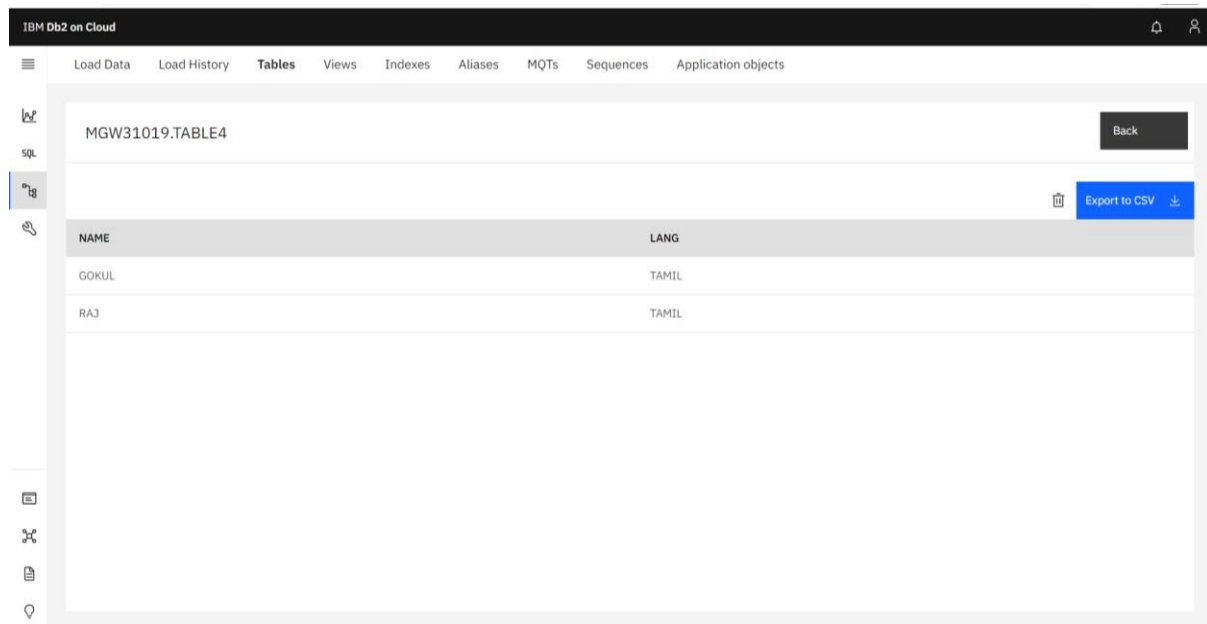
INSERT INTO TABLE4 (NAME, LANG)
VALUES ('GOKUL', 'TAMIL');

INSERT INTO TABLE4 (NAME, LANG)
VALUES ('RAJ', 'ENGLISH');
```

```
UPDATE TABLE4
SET LANG = 'TAMIL'
WHERE NAME = 'RAJ';
```

```
DELETE FROM TABLE4
WHERE LANG = 'HINDI';
```

OUTPUT:



The screenshot shows the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected. On the left sidebar, there are icons for 'SQL' and 'Table' (selected). The main content area displays the table 'MGW31019.TABLE4'. A 'Back' button is in the top right corner. Below the table name, there is a table with two columns: 'NAME' and 'LANG'. The table contains two rows of data: ('GOKUL', 'TAMIL') and ('RAJ', 'TAMIL'). An 'Export to CSV' button is located in the top right corner of the table area.

NAME	LANG
GOKUL	TAMIL
RAJ	TAMIL

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:

IBM Db2 on Cloud

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

MGW31019.TABLE5

Back

Export to CSV

NAME	PASSWORD
GOKUL	234
RAJ	345

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:

								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:

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'

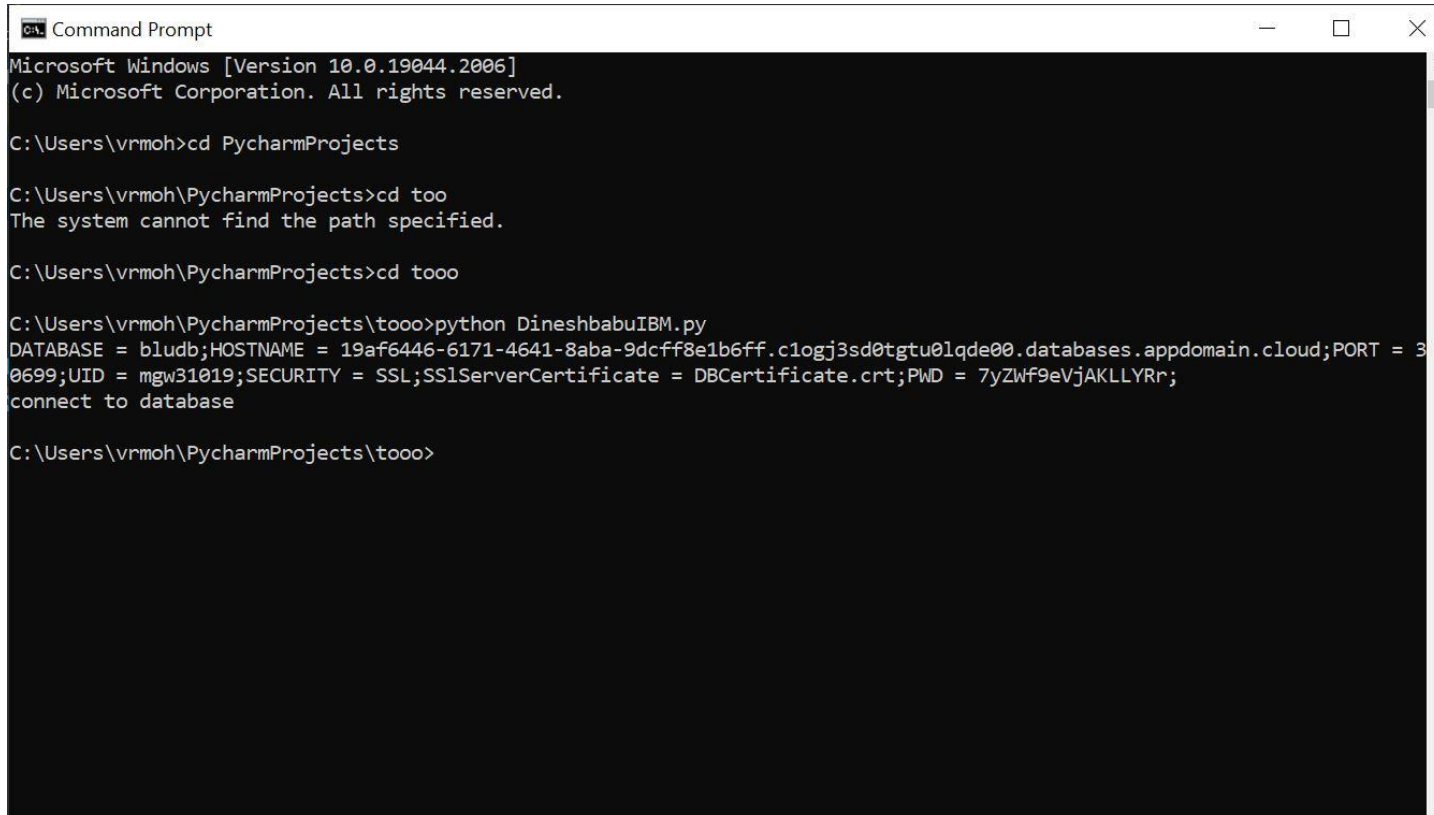
dsn = (
    "DATABASE = {0};"
    "HOSTNAME = {1};"
    "PORT = {2};"
    "UID = {3};"
    "SECURITY = SSL;"
    "SSLServerCertificate = {4};"
    "PWD = {5};"
).format(db, hostname, port, uid, cert, pwd)

print(dsn)

try:
    db2 = ibm_db.connect(dsn, " ", " ")
    print("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())

```

OUTPUT:



```

C:\ 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 too
The system cannot find the path specified.

C:\Users\vrroh\PycharmProjects>cd tooo

C:\Users\vrroh\PycharmProjects\tooo>python DineshbabuIBM.py
DATABASE = bludb;HOSTNAME = 19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 30699;UID = mgw31019;SECURITY = SSL;SSLServerCertificate = DBCertificate.crt;PWD = 7yZWf9eVjAKLLYRr;
connect to database

C:\Users\vrroh\PycharmProjects\tooo>

```