ASSIGNMENT NO 2

NAME: P.BHARATHRAJ

PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID19500

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

TABLE NO 1

QUERY:

INSERT INTO TABLENO1

VALUES(18,'Ram',88000,'ADMIN'),

(56,'SEETA',9000,'HELPDESK'),

(10,'MRUNAL',56000,'HR'),

(16,'PANDYA',78000,'DEVOP'),

(50,'LAXMI',88000,'TESTER');

TABLE NO 1:

TABLE NO 2

QUERY:

INSERT INTO TABLENO2

VALUES

('ASWIN', 12,89),

('SOMNATH',67,78),

('BHARATH',16,98),

('PRANESH', 54,67);

TABLE NO 2:

TABLE NO 3

QUERY:

INSERT INTO TABLENO3

VALUES

(4551,'SmartPhone','Nishanth','Deliverd'),

(6778,'laptop','bharath','NotDeliverd'),

(4545,'headphone','pranesh','Deliverd'),

(7896,'smartwatch','Ranjitha','NotDeliverd'),

(1227,'mouse','nithya','Deliverd'),

(4778,'SmartPhone','saran','Deliverd');

TABLE NO 3:

TABLE NO 4

QUERY:

INSERT INTO TABLENO4

VALUES

(2345,'NITHYA',1.8,1.3),

(2345,'SARAN',1.5,1.6),

(2345,'BHARATH',5.2,5.0),

(2345,'NISHANTH',1.9,2.5),

(2345,'BHUVANESH',1.7,1.9);

TABLE NO 4:

CUSTOMER ID	CUSTOMER NAME	LEFT EYE	RIGHT EYE
2345	NITHYA	1.8	1.3
2345	BHUVANESH	1.7	1.9
2345	NISHANTH	1.9	2.5
2345	BHARATH	5.2	5.0
2345	SARAN	1.5	1.6

TABLE NO 5

QUERY:

INSERT INTO TABLE5

VALUES

(1,'BHARATH',21,'6381856378','TIRUPUR'),

(2,'NISHANTH',20,'9781538252','TIRUPUR'),

(3,'SARAN',20,'7596325741','TIRUPUR'),

(4,'VIJAY',21,'9687153678','TIRUPUR'),

(5,'LOGESHWARAN',20,'8745656378','ERODE');

TABLE NO 5

:

`

2.PERFORM UPDATE , DELETE QUERIES in 5 tables:

TABLE 1:

QUREY:

UPDATE TABLENO1

SET ENAME='SANJAY'

WHERE SALARY=88000;

DELETE FROM TABLENO1

WHERE ENAME='MRUNAL';

TABLE 2:

QUERY:

UPDATE TABLENO2

SET NAME='BHUVANESH'

WHERE ROLLNO=12;

DELETE FROM TABLENO2

WHERE NAME = 'SOMNATH';

TABLE 3:

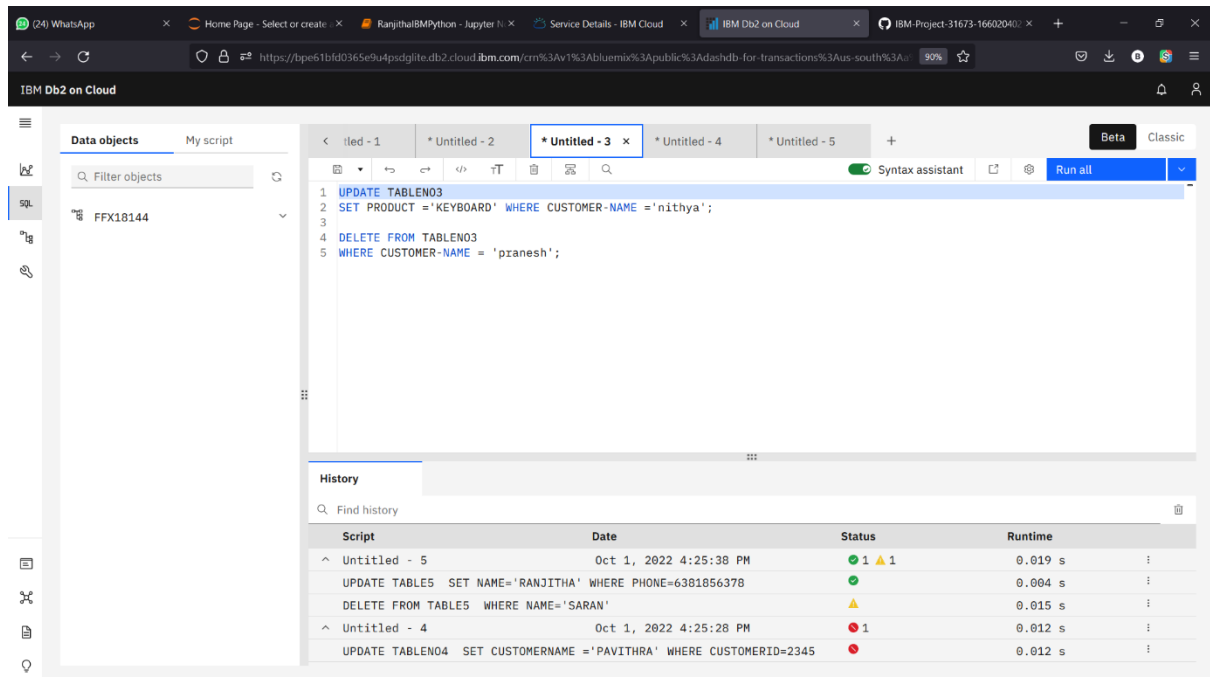QUERY:

UPDATE TABLENO3

SET PRODUCT ='KEYBOARD' WHERE CUSTOMER-NAME ='nithya';
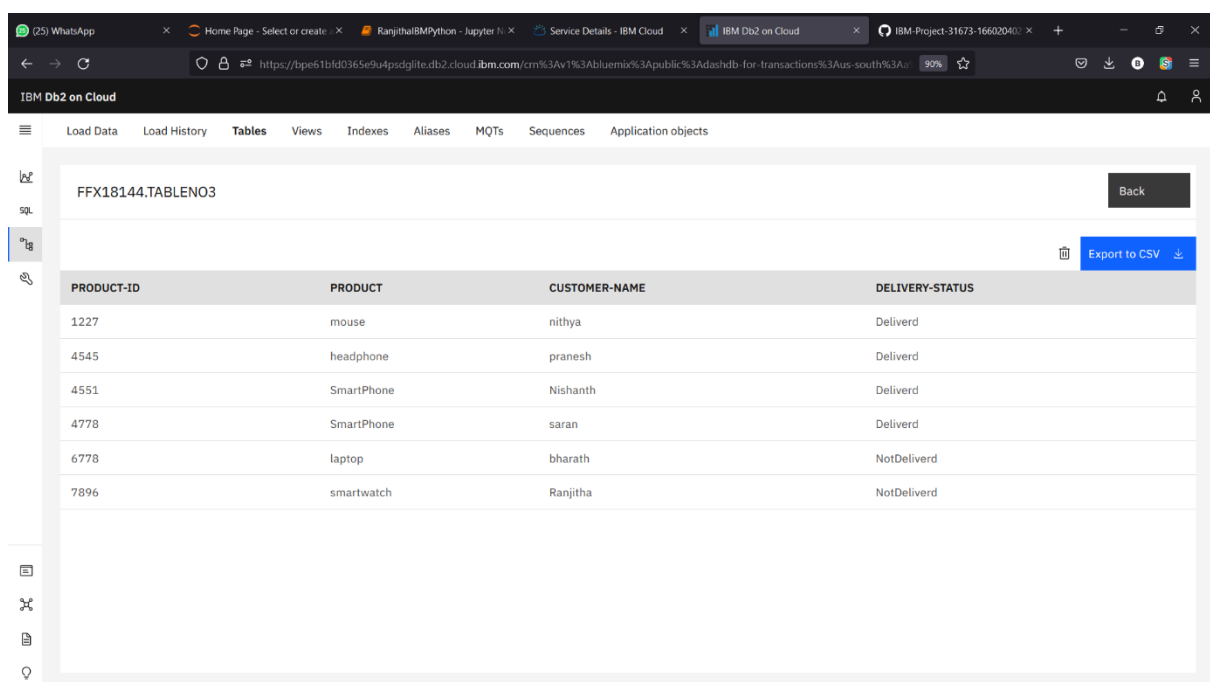

DELETE FROM TABLENO3
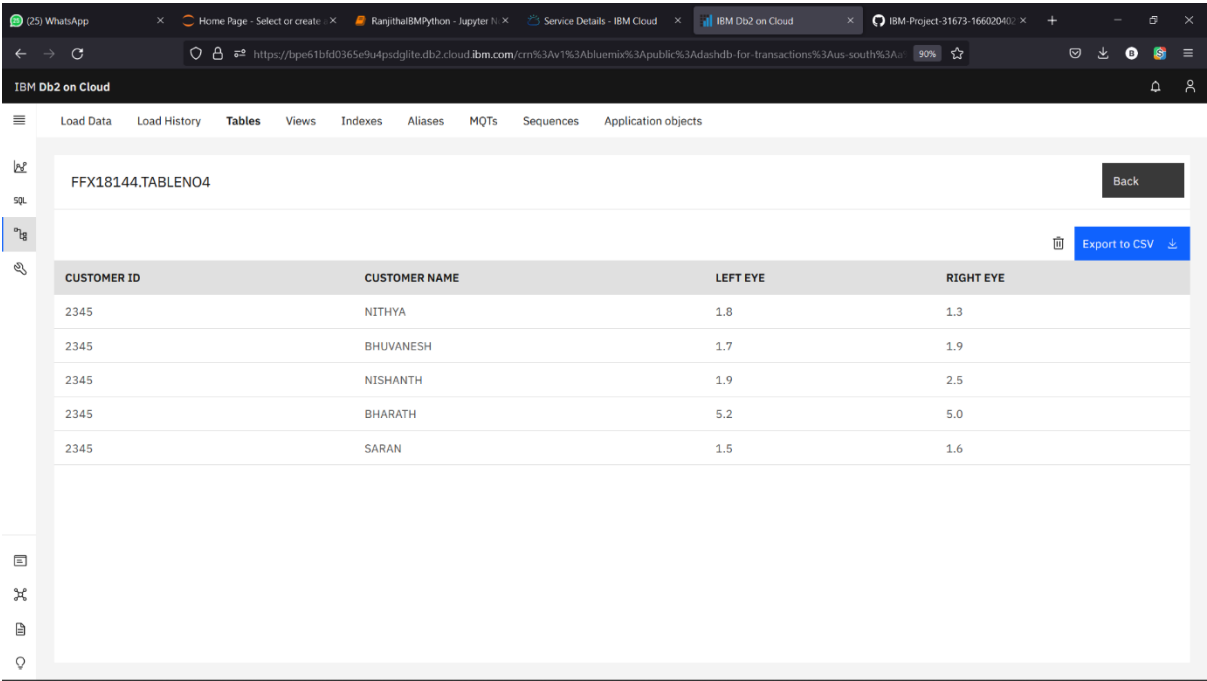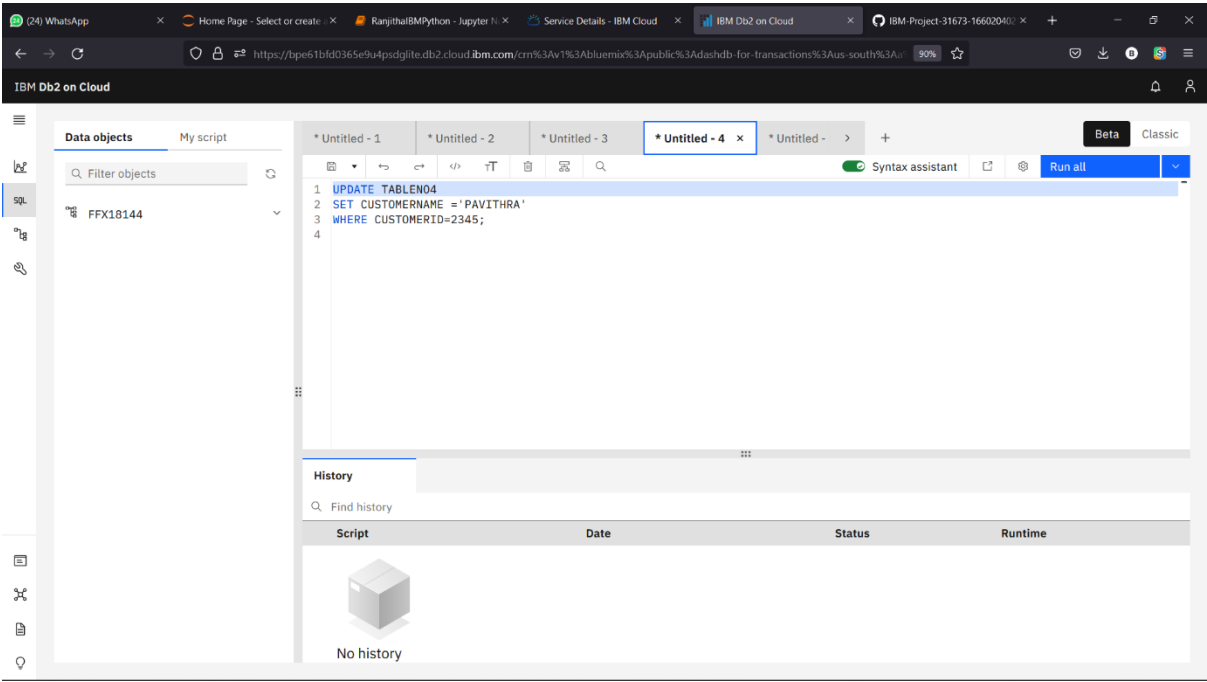
WHERE CUSTOMER-NAME = 'pranesh';

TABLE 4:

QUERY:

UPDATE TABLENO4

SET CUSTOMERNAME ='PAVITHRA'

WHERE CUSTOMERID=2345;

TABLE 5:
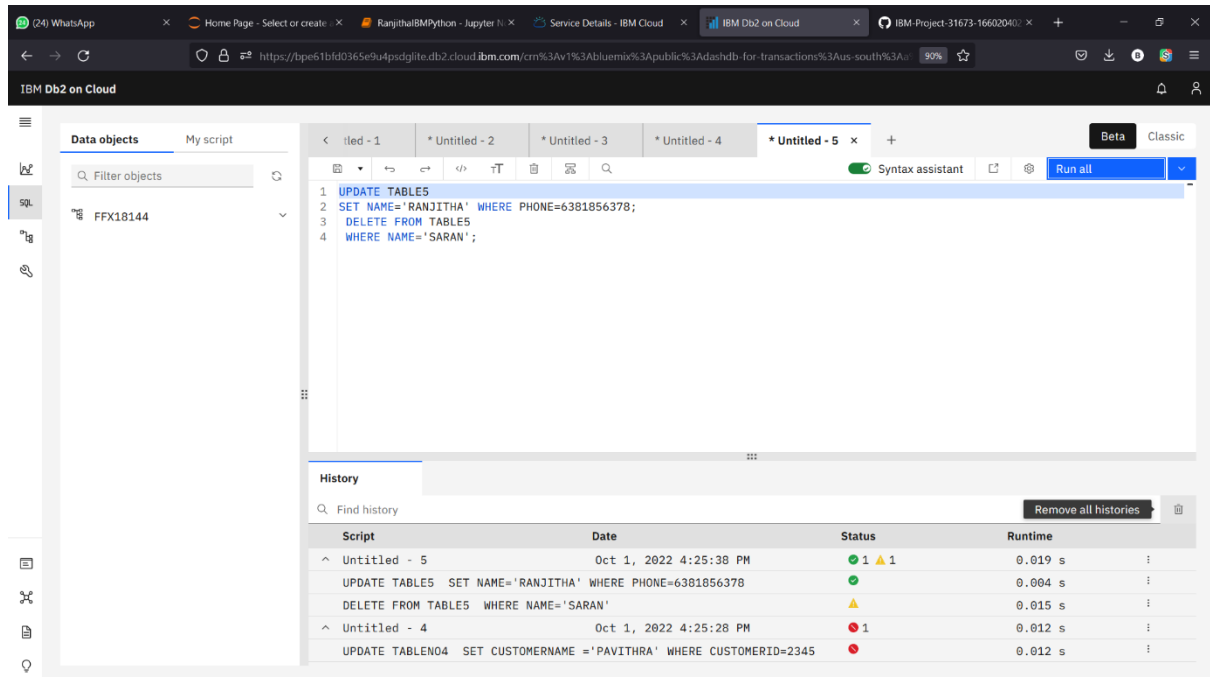
QUERY:

UPDATE TABLE5

SET NAME='RANJITHA' WHERE PHONE=6381856378;
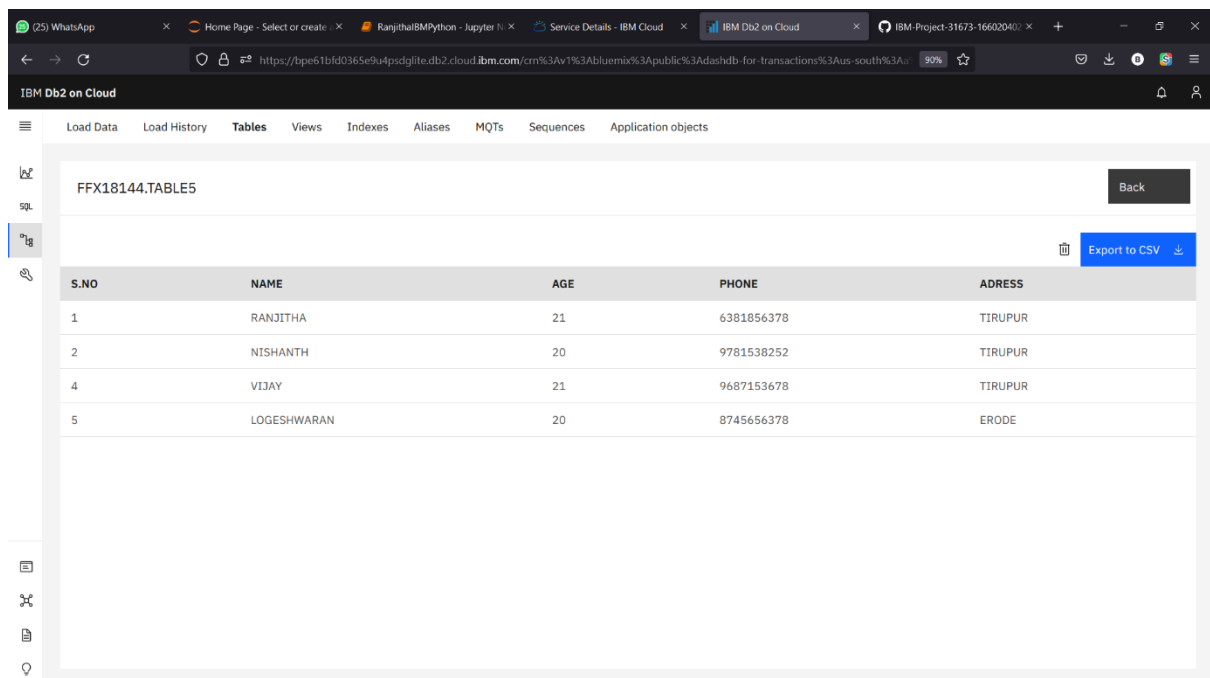
 DELETE FROM TABLE5

 WHERE NAME='SARAN';

3.LOAD EXCEL COMMA SEPERATED FILE TO db2

4.CONNECT PYTHON TO db2:

CODE:

import ibm_db

hostname = 'ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'

uid = 'ffx18144'

pwd = 'CNHyqBElvbEcBBZR'

driver = "{IBM DB2 ODBC DRIVER}"

db = 'bludb'

port = '31321'

protocol = 'TCPIP'

cert = 'bharath.crt'

dsn = (

   "DATABASE = {0};"

   "HOSTNAME = {1};"

   "PORT = {2};"

   "UID = {3};"

   "SECURITY = SSL;"

   "SSlServerCertificate = {4};"

```python
    "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())
```