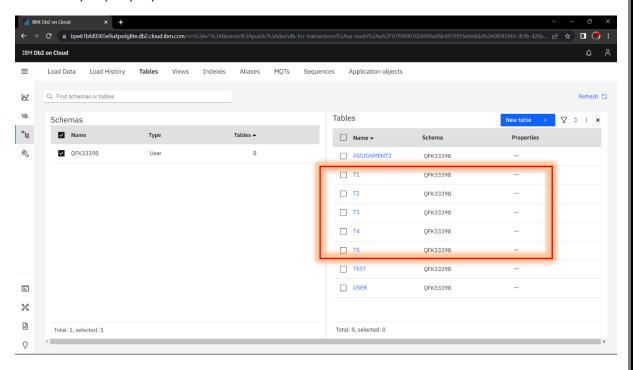
# **ASSIGNMENT - 2**

**TEAM ID** : PNT2022TMID16623

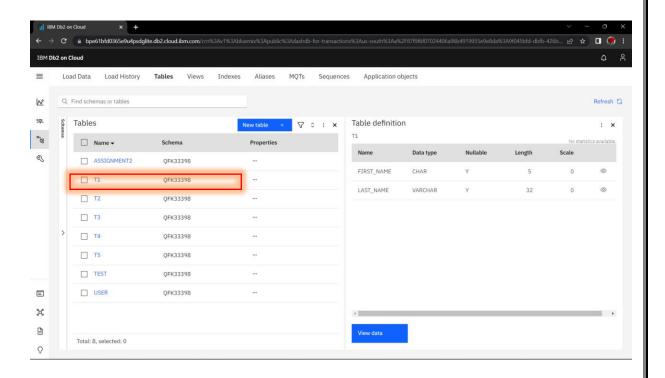
**PROJECT NAME**: SMART FASHION RECOMMENDER APPLICATION

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

TABLE NAMES: T1, T2, T3, T4, T5.

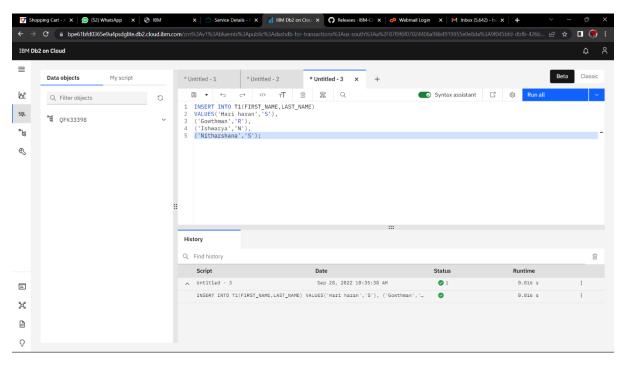


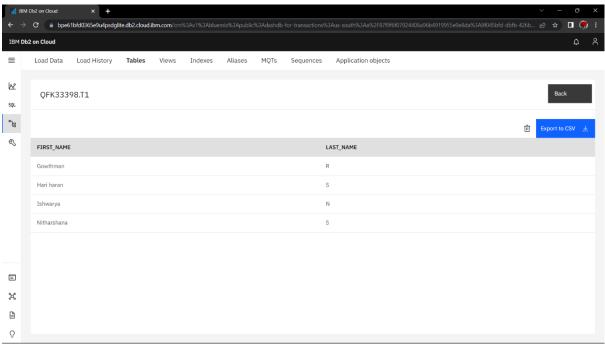
T1:



## QUERY:

INSERT INTO T1(FIRST\_NAME,LAST\_NAME)
VALUES('Hari haran','S'),
('Gowthman','R'),
('Ishwarya','N'),
('Nitharshana','S');



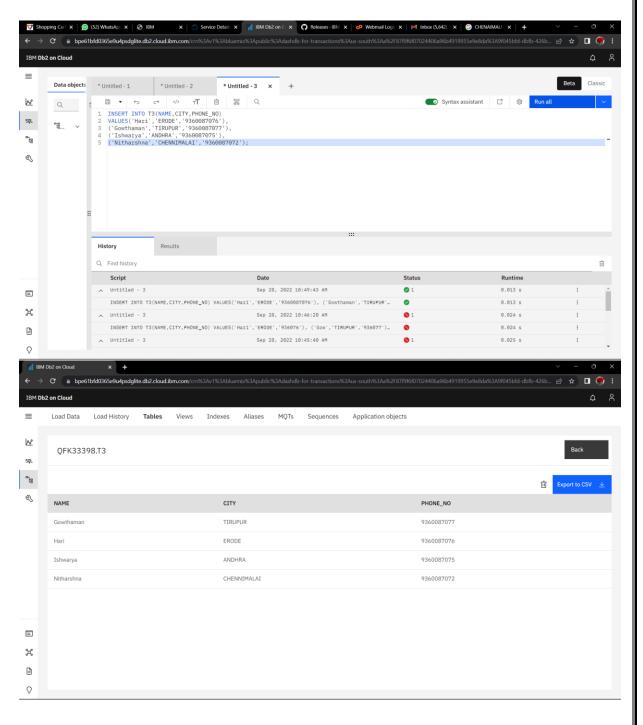


# T2: QUERY: INSERT INTO T2(ID, NAME, AGE) VALUES('1','Hari','21'), ('2','Gow','21'), ('3','Ishu','20'), ('4','Nithu','20'); ▼ Shopping Cart - K × 🗐 (52) WhatsApp 💮 × 🕞 IBM IBM Db2 on Cloud Beta Classic Data objects \* Untitled - 1 \* Untitled - 2 \* Untitled - 3 × + Syntax assistant Prop. Q 1 INSERT INTO T2(ID, NAME, AGE) 2 VALUES('1', 'Hari', '21'), 3 ('2', 'Gow', '21'), 4 ('3', 'Ishu', '20'), 5 ('4', 'Nithu', '20'); 5QL ъ Ø ũ Sep 28, 2022 10:40:34 AM **②** 1 0.010 s = INSERT INTO T2(ID,NAME,AGE) VALUES('1','Hari','21'), ('2','Gow','21'), ('3','Ishu','20'), ('4',... × △ Untitled - 3 Sep 28, 2022 10:35:38 AM 0.016 s INSERT INTO T1(FIRST\_NAME,LAST\_NAME) VALUES('Hari haran','S'), ('Gowthman','R'), ('Ishwarya','N... O IBM Dh2 on Cloud $\equiv$ Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects Prop. QFK33398.T2 5QL g/B Export to CSV Ø NAME AGE 21 = × Ô

# T3:

# **QUERY:**

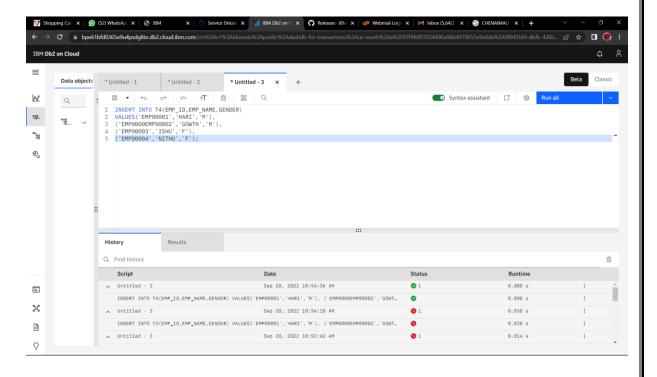
INSERT INTO T3(NAME,CITY,PHONE\_NO)
VALUES('Hari','ERODE','9360087076'),
('Gowthaman','TIRUPUR','9360087077'),
('Ishwarya','ANDHRA','9360087075'),
('Nitharshna','CHENNIMALAI','9360087072');

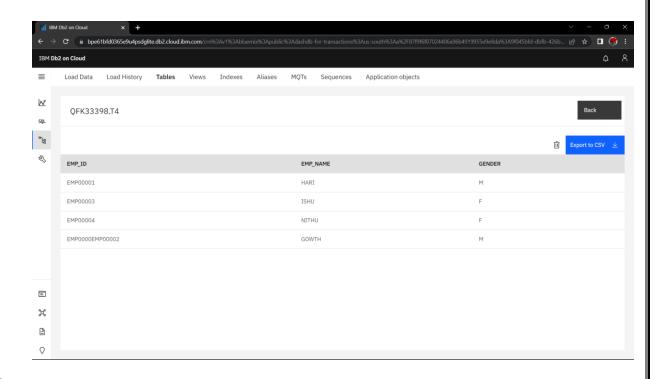


T4:

# **QUERY:**

INSERT INTO T4(EMP\_ID,EMP\_NAME,GENDER)
VALUES('EMP00001','HARI','M'),
('EMP0000EMP00002','GOWTH','M'),
('EMP00003','ISHU','F'),
('EMP00004','NITHU','F');





## T5:

# **QUERY:**

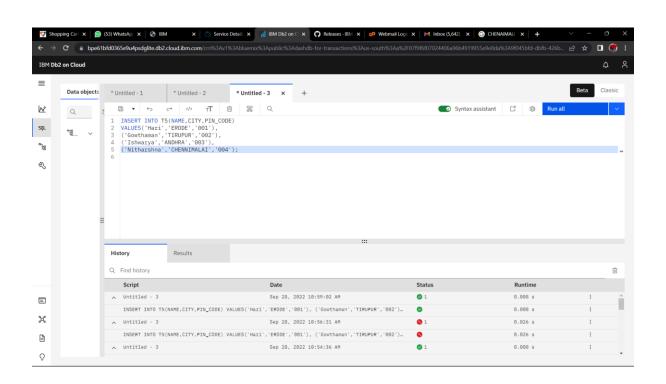
INSERT INTO T5(NAME, CITY, PIN\_CODE)

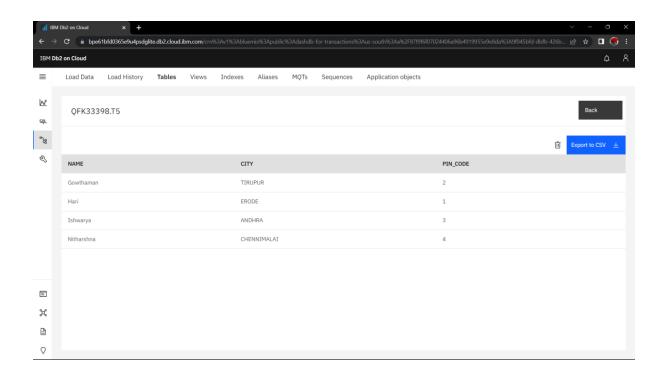
VALUES('Hari', 'ERODE', '001'),

('Gowthaman','TIRUPUR','002'),

('Ishwarya','ANDHRA','003'),

('Nitharshna','CHENNIMALAI','004');





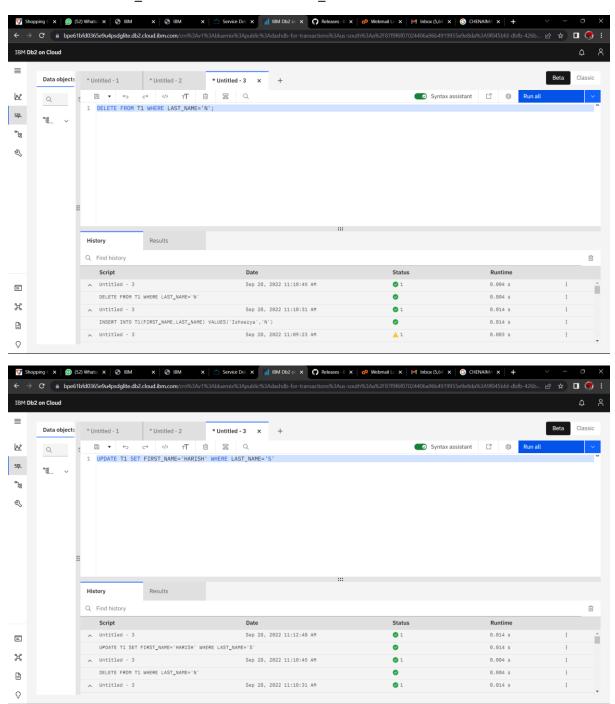
## 2.PERFORM UPDATE, DELETE QUERIES in 5 tables:

T1:

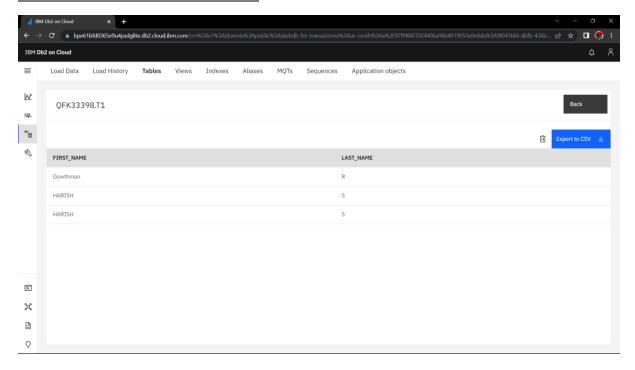
# **QUERY:**

DELETE FROM T1 WHERE LAST\_NAME='N';

UPDATE T1 SET FIRST\_NAME='HARISH' WHERE LAST\_NAME='S'



## **AFTER DELETING AND UPDATING IN T1:**

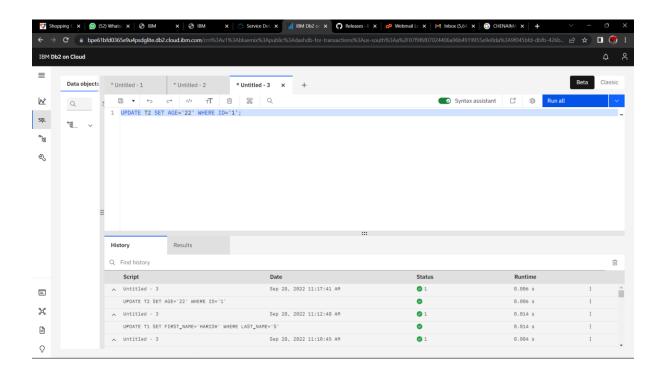


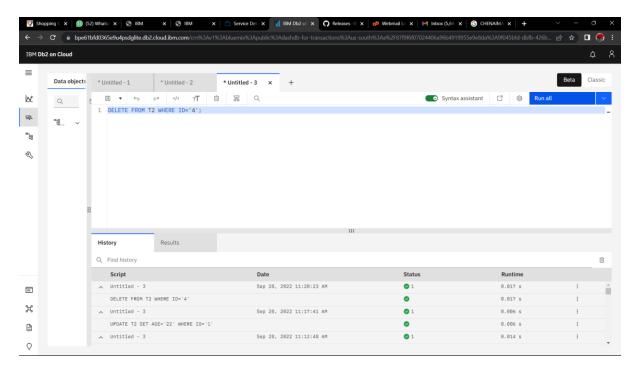
#### T2:

# **QUERY:**

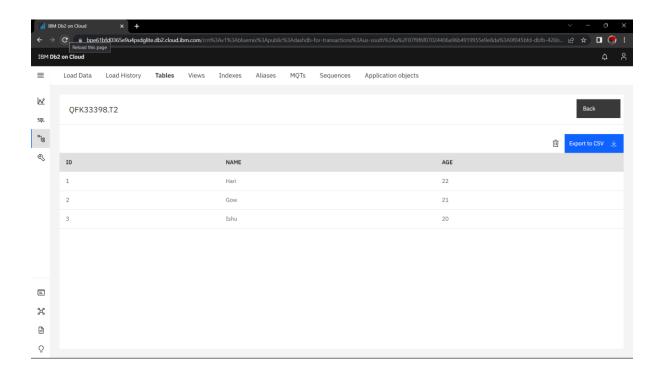
UPDATE T2 SET AGE='22' WHERE ID='1';

DELETE FROM T2 WHERE ID='4';





# **AFTER DELETING AND UPDATING IN T2:**

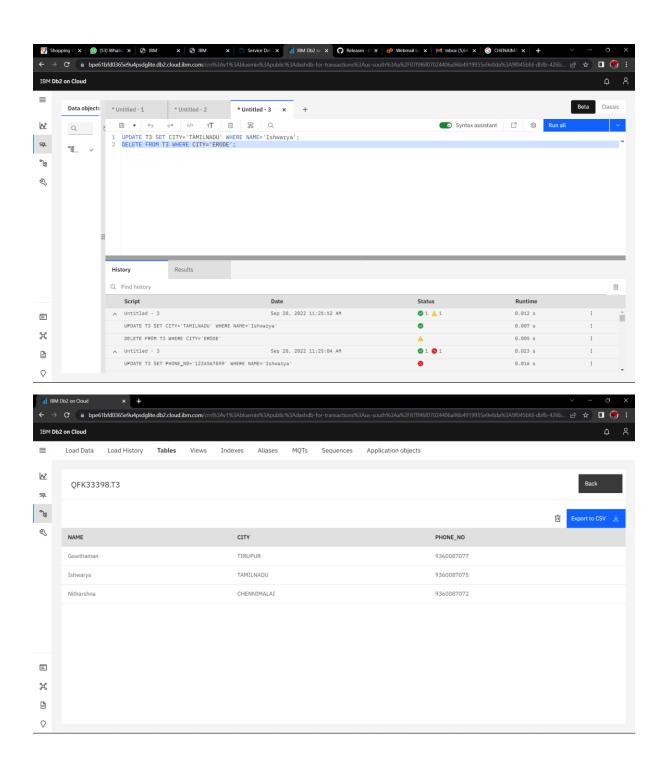


T3:

# **QUERY:**

UPDATE T3 SET CITY='TAMILNADU' WHERE NAME='Ishwarya';

DELETE FROM T3 WHERE CITY='ERODE';

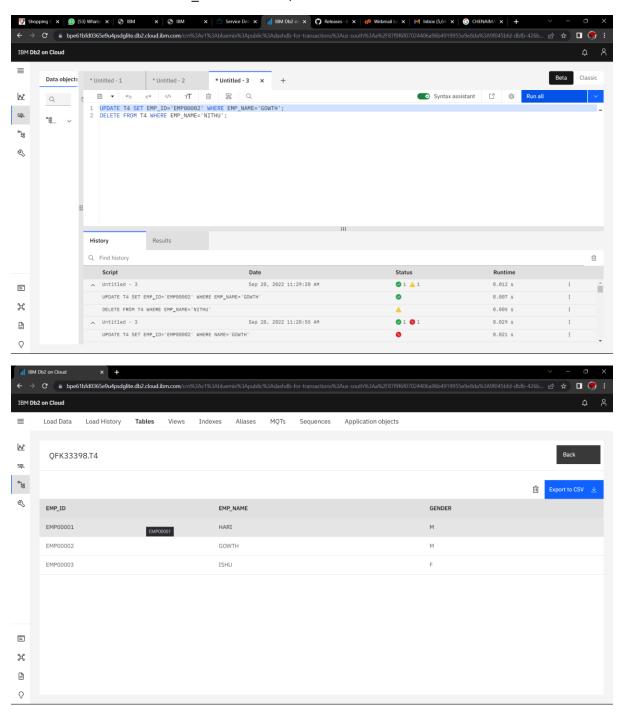


#### T4:

# **QUERY:**

UPDATE T4 SET EMP\_ID='EMP00002' WHERE EMP\_NAME='GOWTH';

DELETE FROM T4 WHERE EMP\_NAME='NITHU';

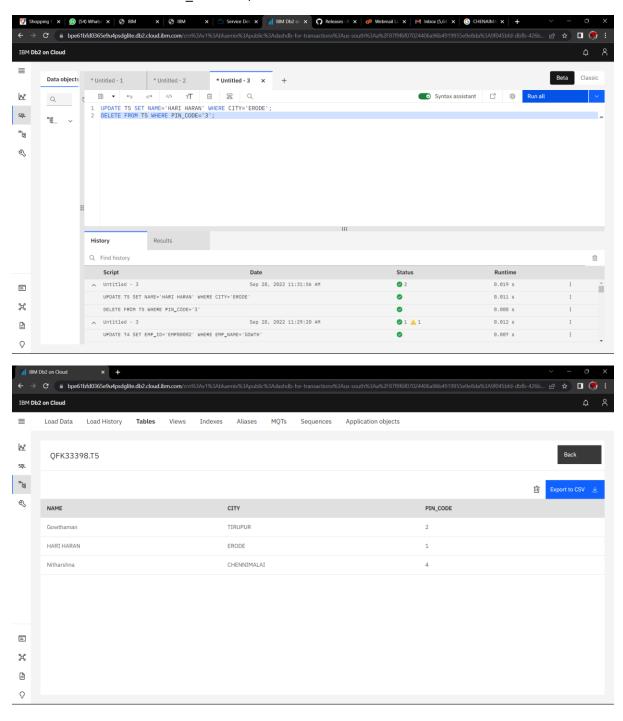


#### T5:

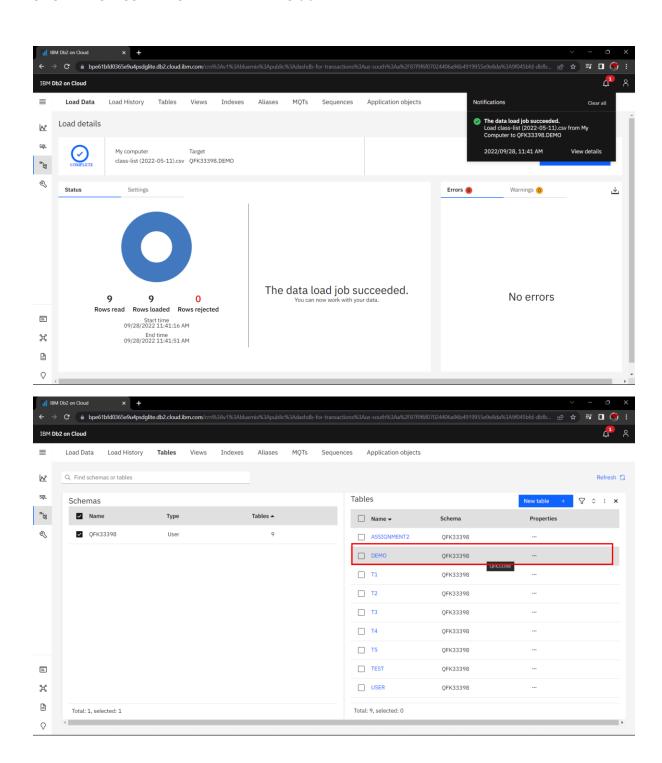
# **QUERY:**

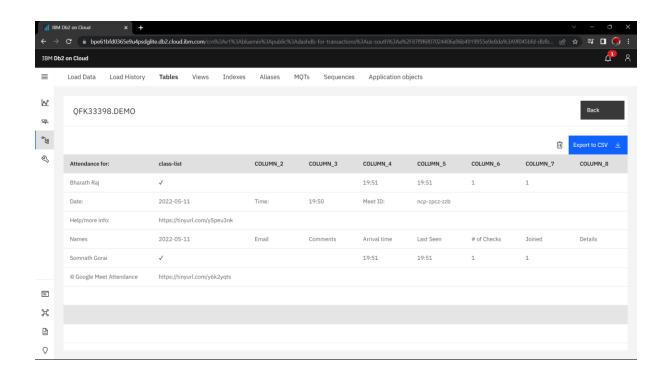
UPDATE T5 SET NAME='HARI HARAN' WHERE CITY='ERODE';

DELETE FROM T5 WHERE PIN\_CODE='3';

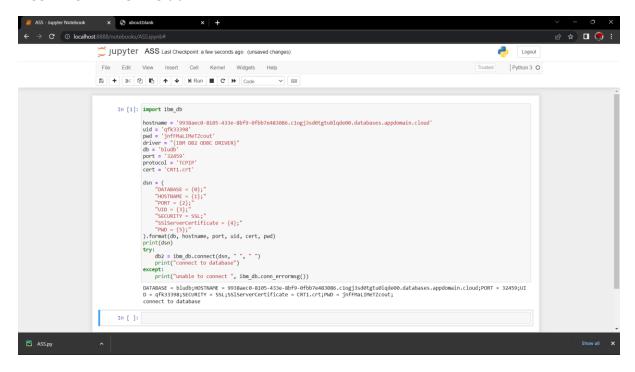


## 3.LOAD EXCEL COMMA SEPERATED FILE TO db2





#### **4.CONNECT PYTHON TO db2:**



# **CODE:**

import ibm\_db

```
hostname = '9938aec0-8105-433e-8bf9-
0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'qfk33398'
pwd = 'jnfFMaLIMeTZcout'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '32459'
protocol = 'TCPIP'
cert = 'CRT1.crt'

dsn = (
    "DATABASE = {0};"
    "HOSTNAME = {1};"
    "PORT = {2};"
    "UID = {3};"
```

```
"SECURITY = SSL;"

"SSIServerCertificate = {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())
```