# ASSIGNMENT - 2

**TEAM ID** :PNT2022TMID19460

**PROJECT NAME** : PERSONAL EXPENSE TRACKER

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

TABLE NAMES : EMPLOYEE, CUSTOMER, FACULTY, STUDENT, VOTERID

**EMPLOYEE**

**QUERY :**

1. INSERT INTO EMPLOYEE

   VALUES

   (55,'Kiruthika',50000),

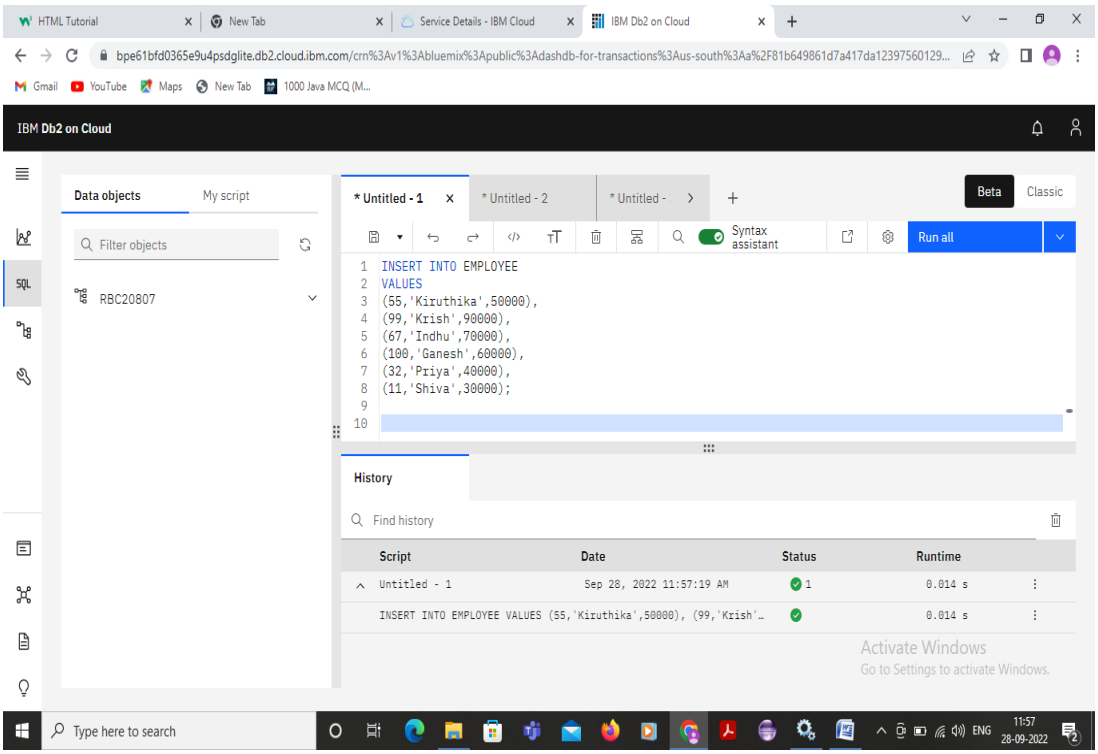
   (99,'Krish',90000),

   (67,'Indhu',70000),

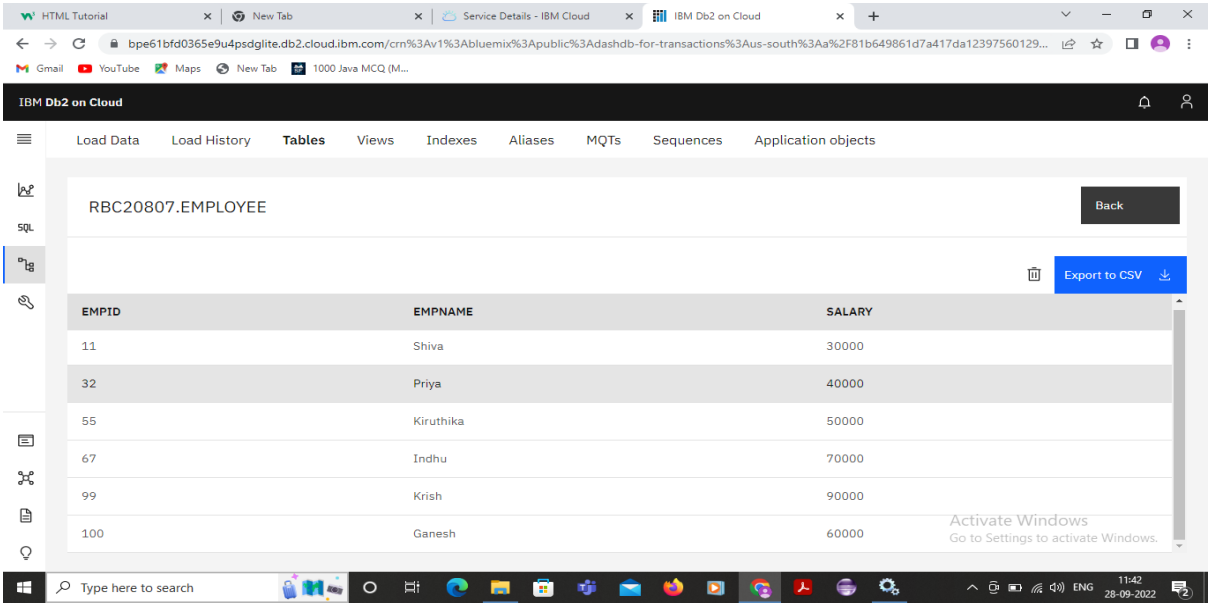
   (100,'Ganesh',60000),

   (32,'Priya',40000),

   (11,'Shiva',30000);



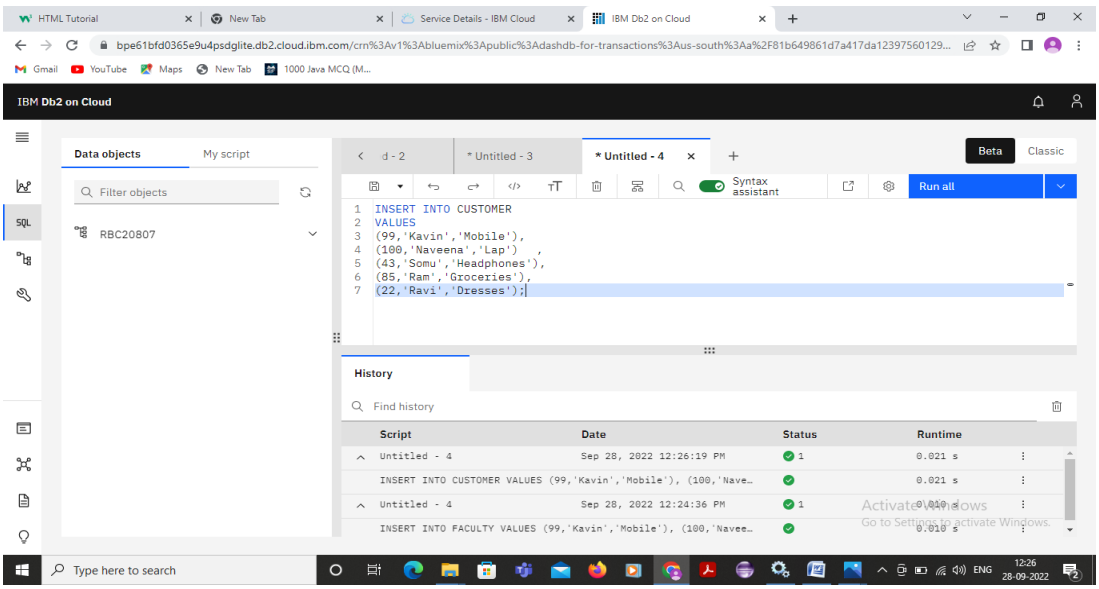
**OUTPUT :**



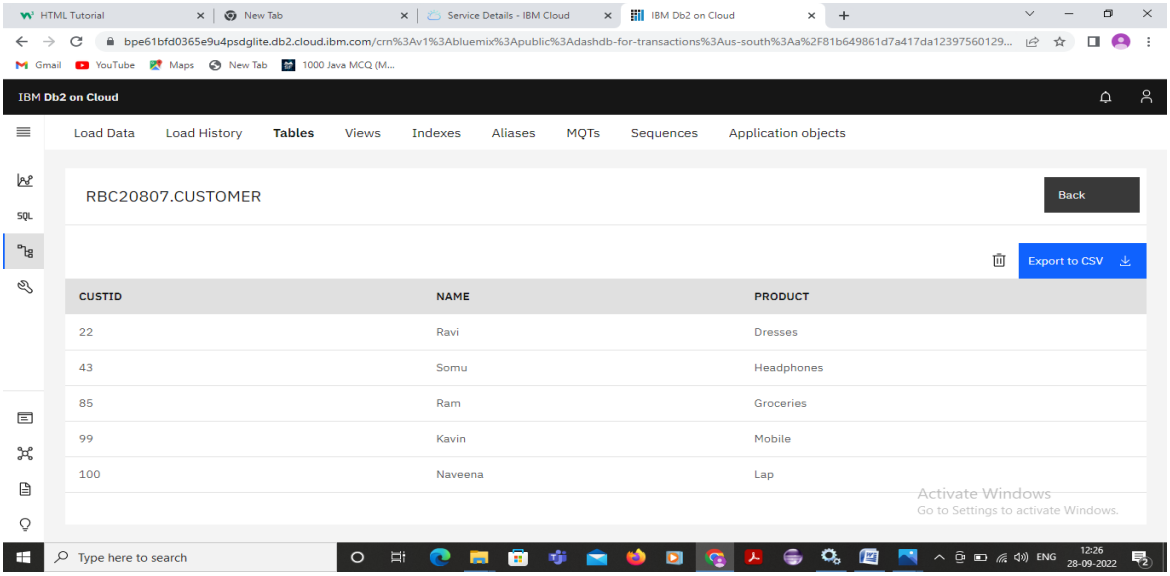

**CUSTOMER**

**QUERY:**

```
INSERT INTO CUSTOMER VALUES
(99,'Kavin','Mobile'),
(100,'Naveena','Lap')    ,
(43,'Somu','Headphones'),
(85,'Ram','Groceries'),
(22,'Ravi','Dresses');
```



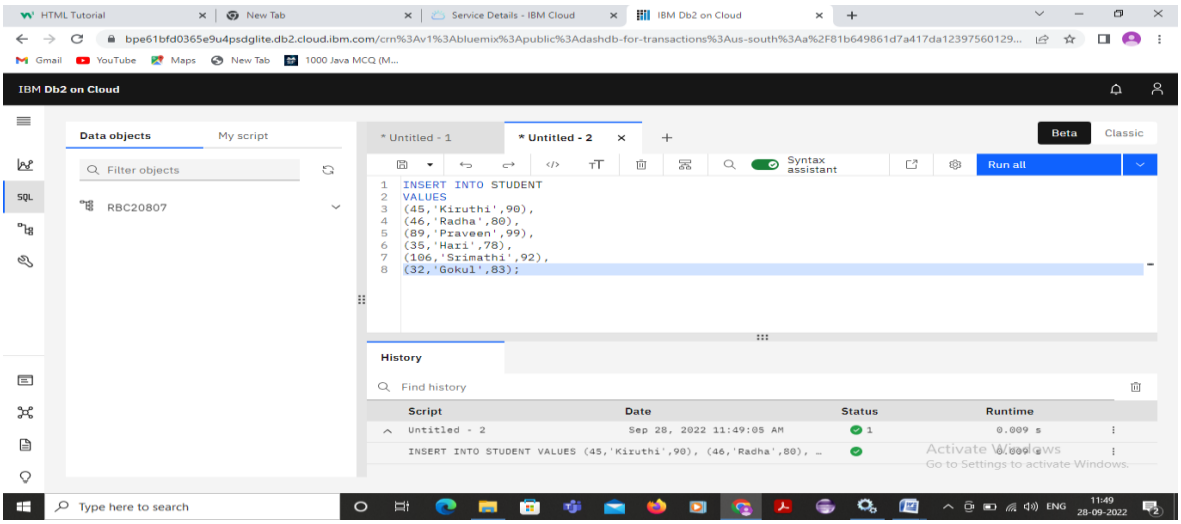
**OUTPUT :**



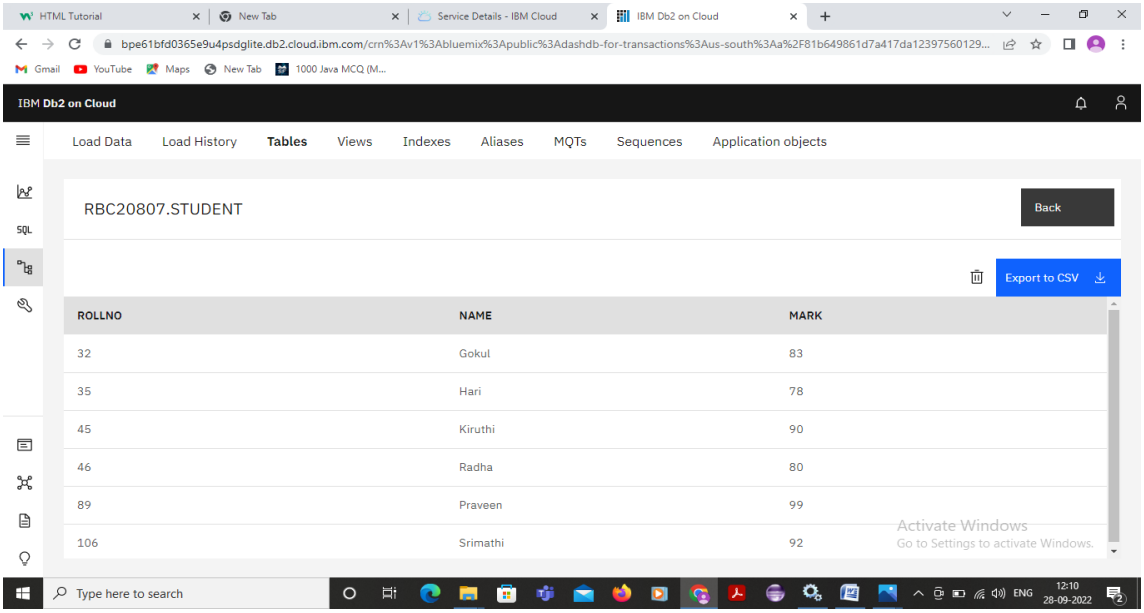

**STUDENT**

**QUERY :**

```
INSERT INTO STUDENT

VALUES

(45,'Kiruthi',90),

(46,'Radha',80),

(89,'Praveen',99),

(35,'Hari',78),(106,'Srimathi',92),

(32,'Gokul',83);
```



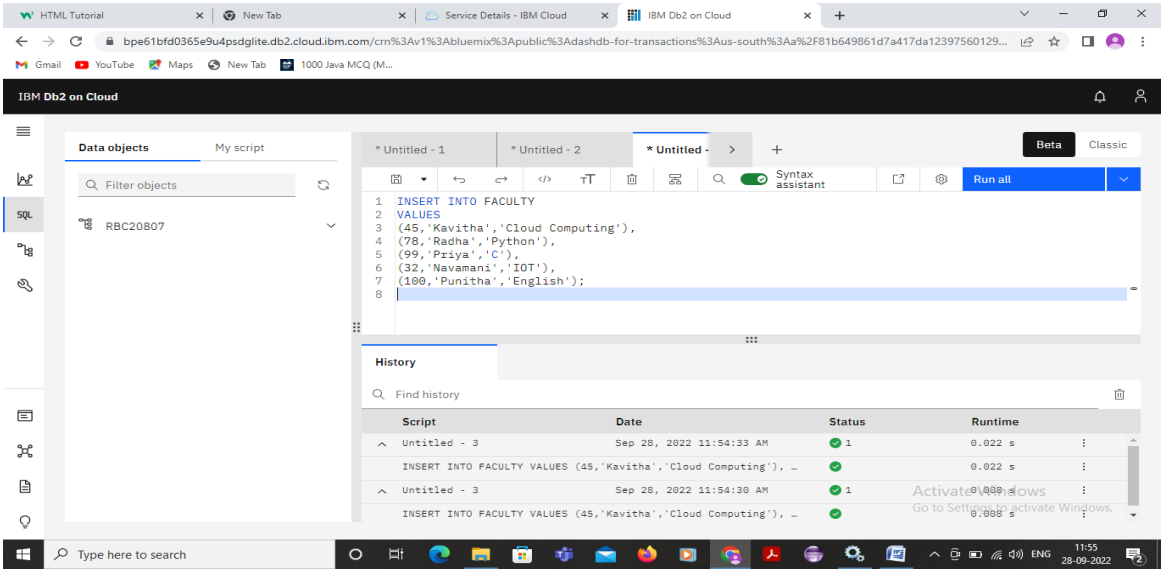
**OUTPUT :**



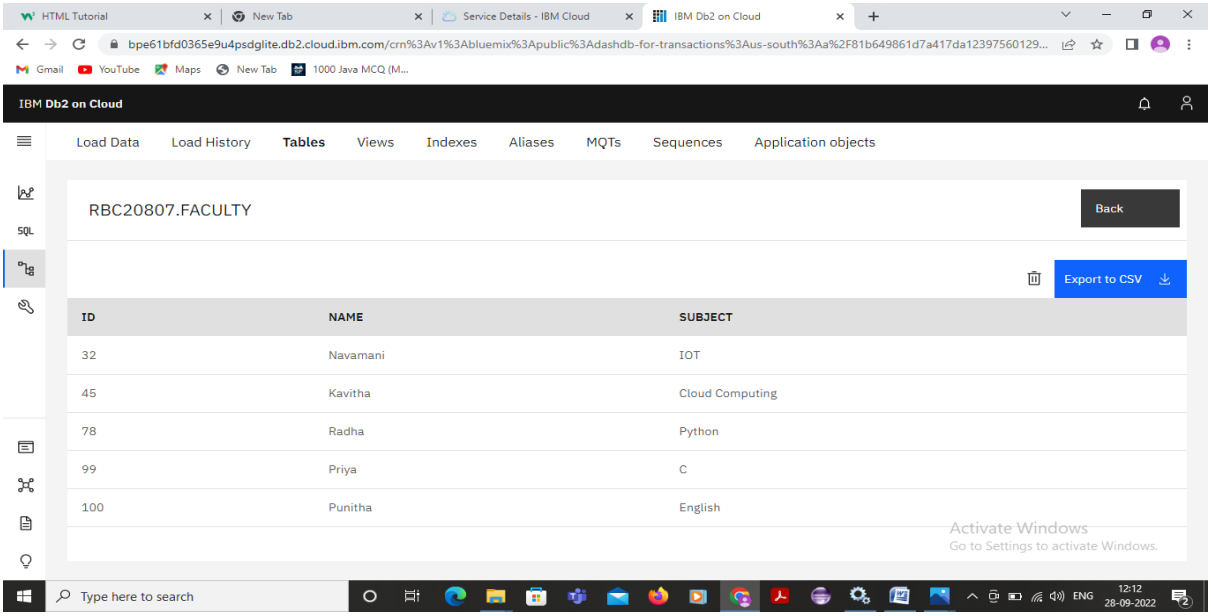

**FACULTY**

**QUERY:**

```
INSERT INTO FACULTY

VALUES

(45,'Kavitha','Cloud Computing'),

(78,'Radha','Python'),

(99,'Priya','C'),

(32,'Navamani','IOT'),

(100,'Punitha','English');
```



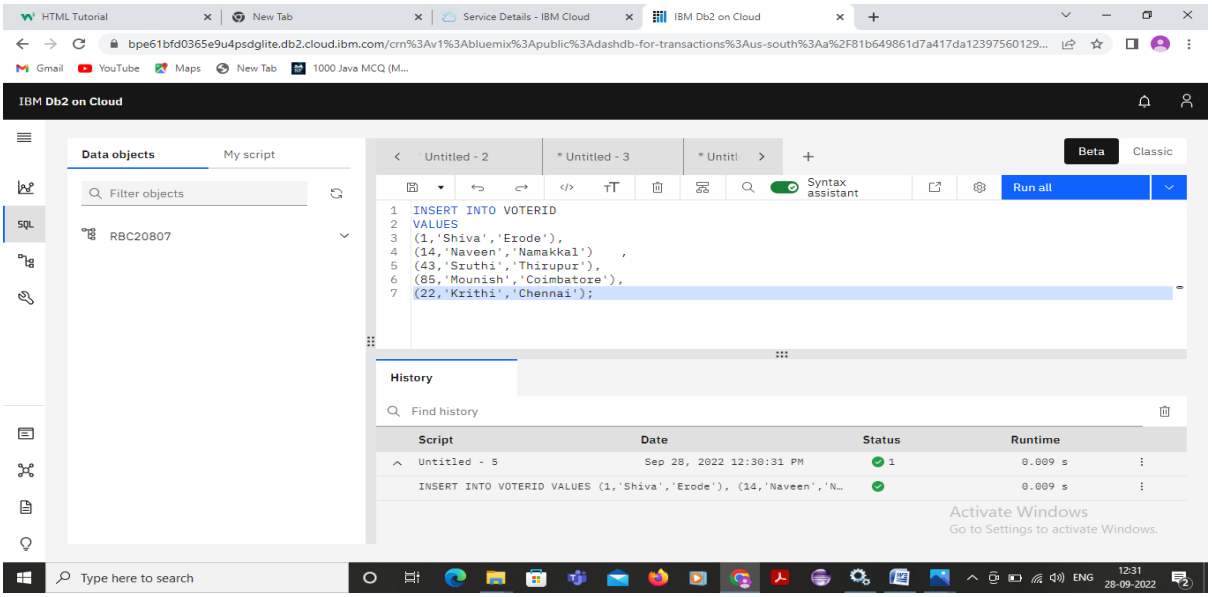
**OUTPUT :**



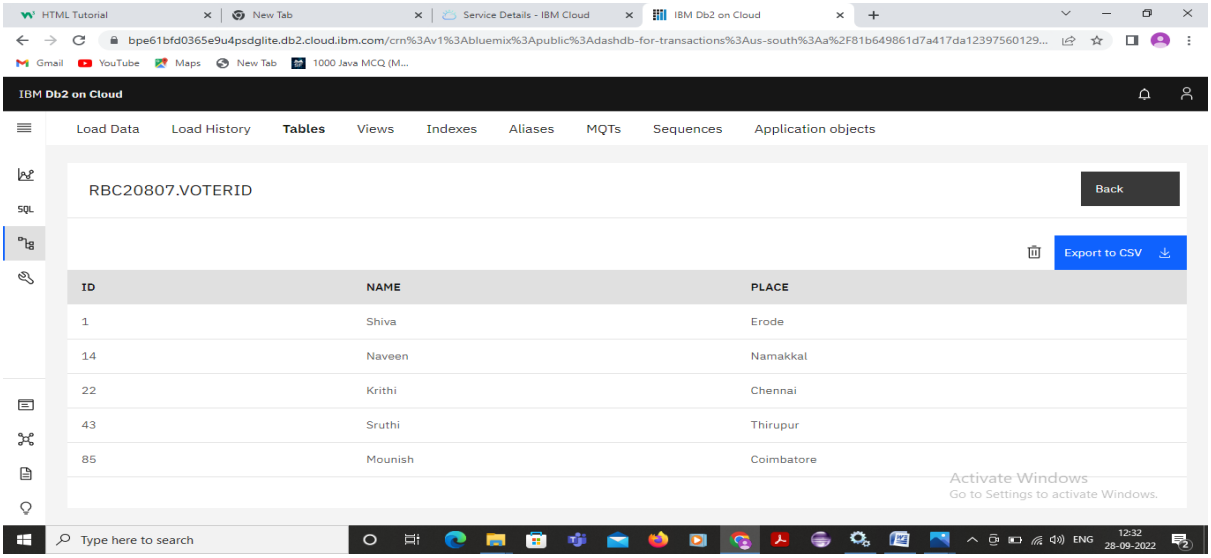

**VOTERID**

**QUERY :**

```
INSERT INTO VOTERID
 VALUES
 (1,'Shiva','Erode'),
 (14,'Naveen','Namakkal')        ,
 (43,'Sruthi','Thirupur'),
 (85,'Mounish','Coimbatore'),
 (22,'Krithi','Chennai');
```



**OUTPUT :**

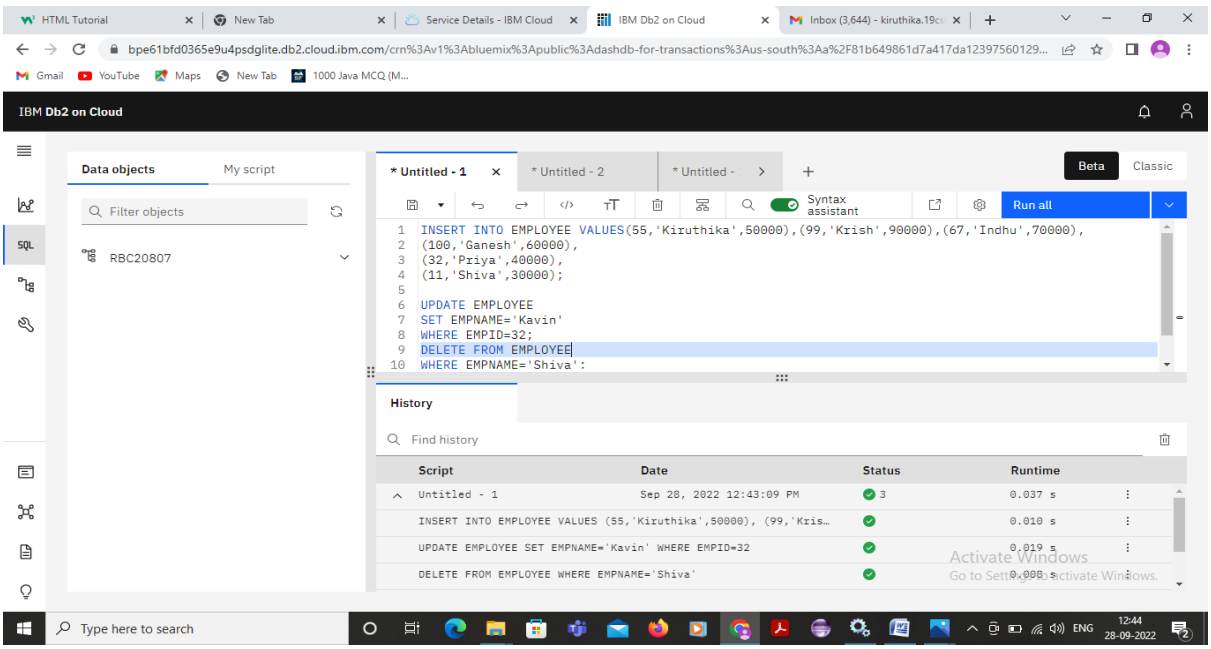



**2. PERFORM UPDATE , DELETE QUERIES in 5 tables:**

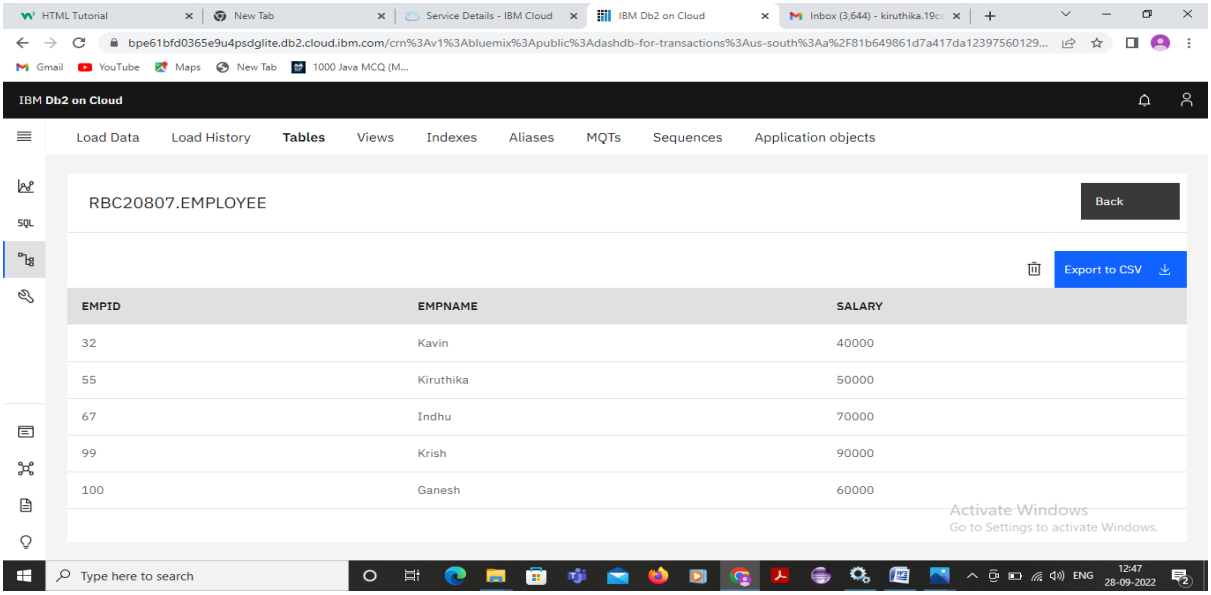
**EMPLOYEE**

**QUERY :**

```
UPDATE EMPLOYEE
SET EMPNAME='Kavin'
WHERE EMPID=32;
DELETE FROM EMPLOYEE
WHERE EMPNAME='Shiva';
```



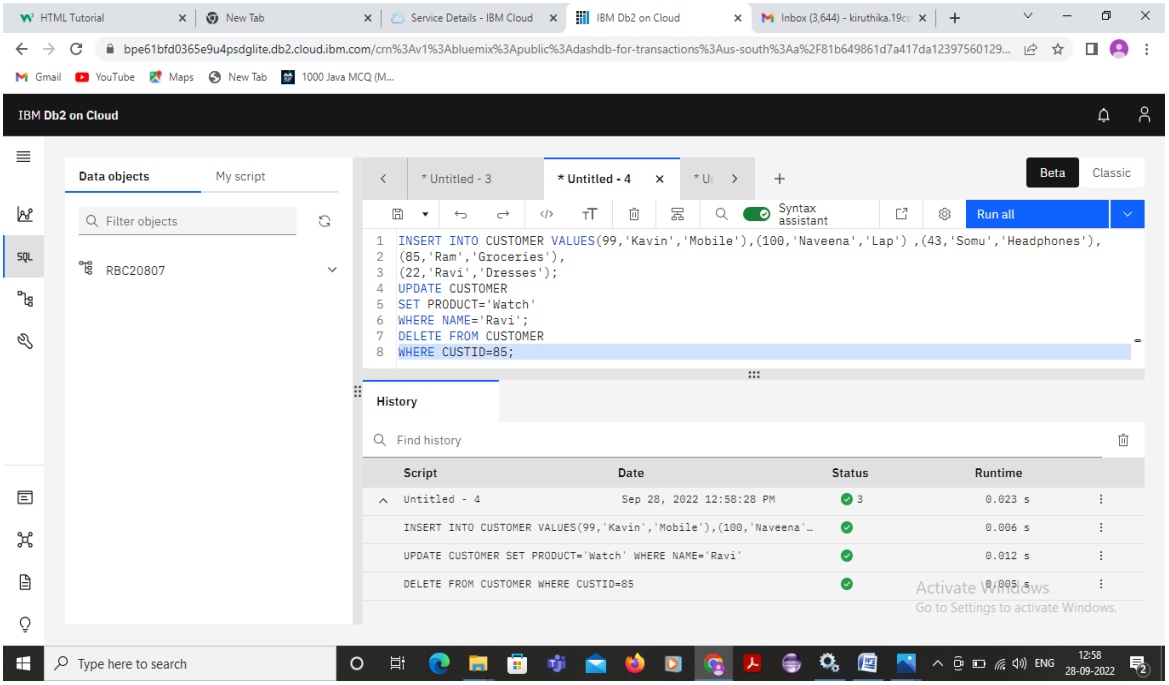
**OUTPUT:**



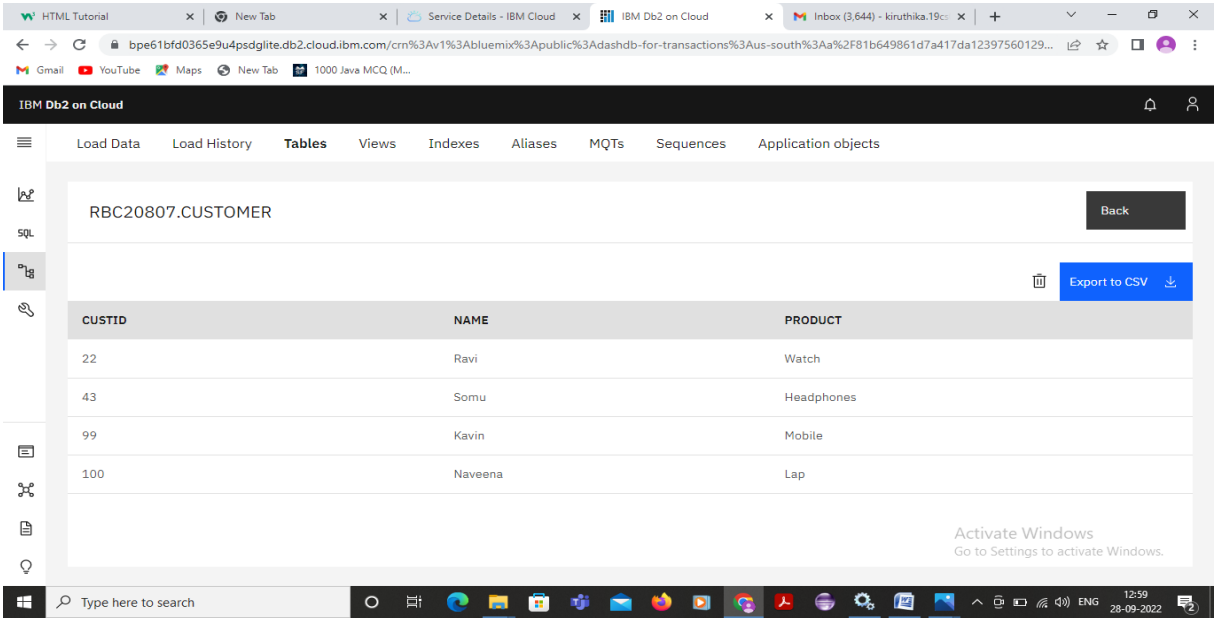

**CUSTOMER**

**QUERY:**

```
UPDATE CUSTOMER
SET PRODUCT='Watch'
WHERE NAME='Ravi';
DELETE FROM CUSTOMER
WHERE CUSTID=85;
```



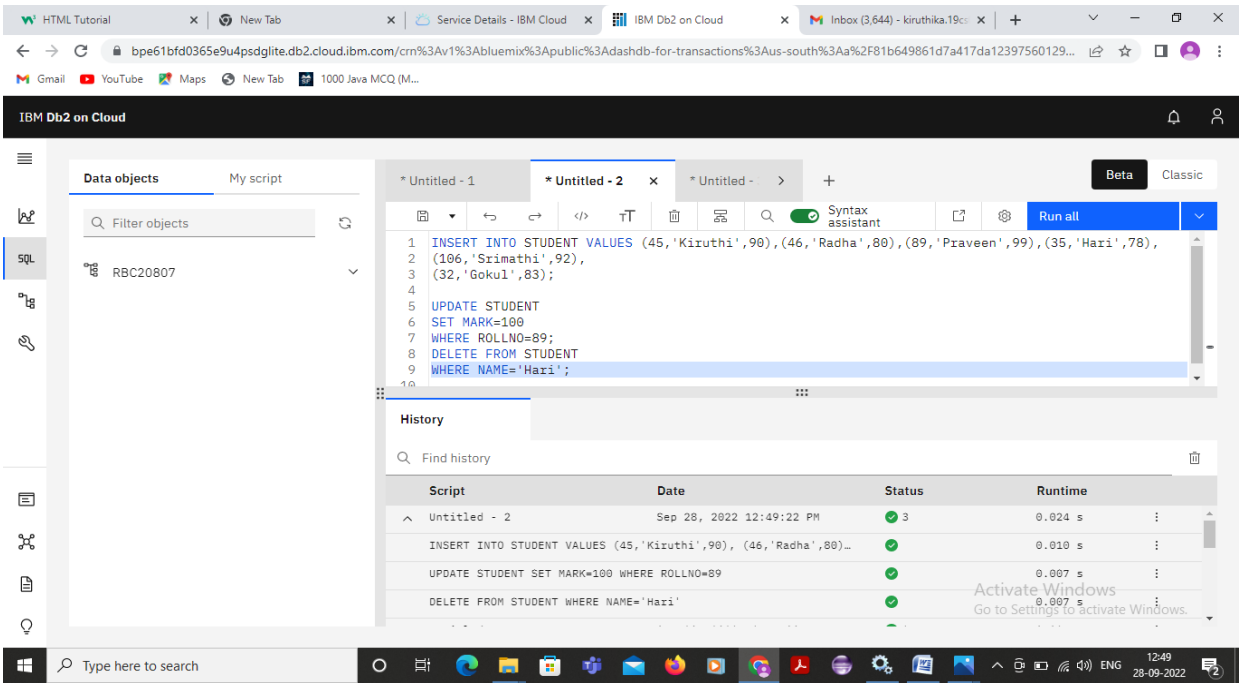
**OUTPUT:**



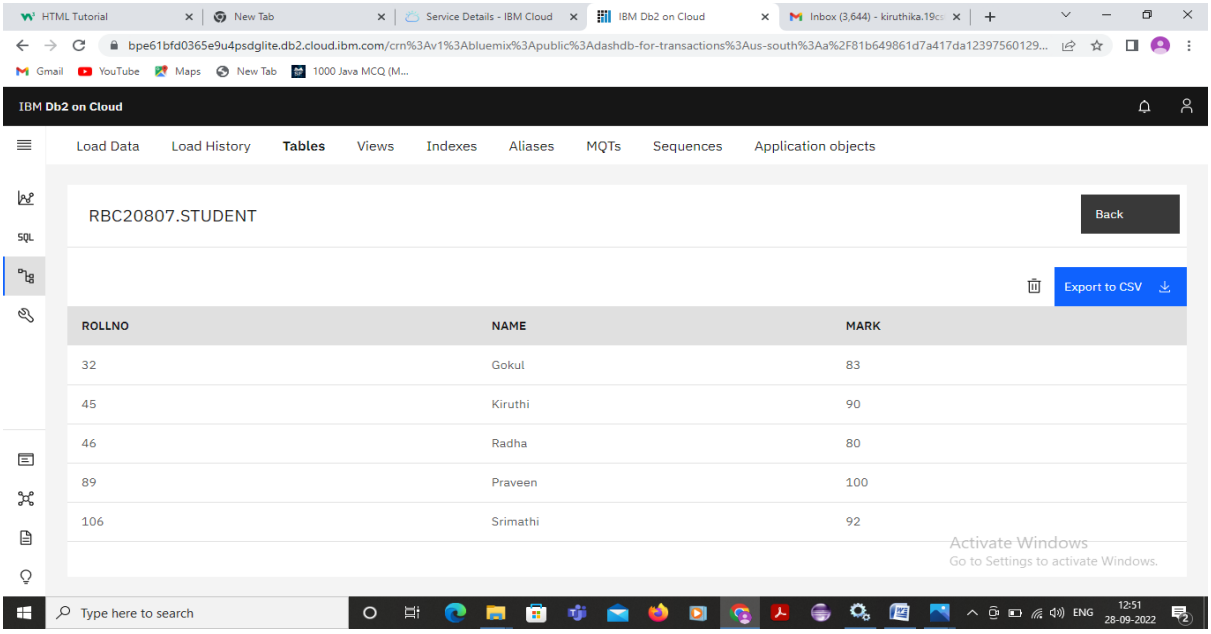

**STUDENT**

**QUERY:**

```
UPDATE STUDENT
SET MARK=100
WHERE ROLLNO=89;
DELETE FROM STUDENT
WHERE NAME='Hari';
```



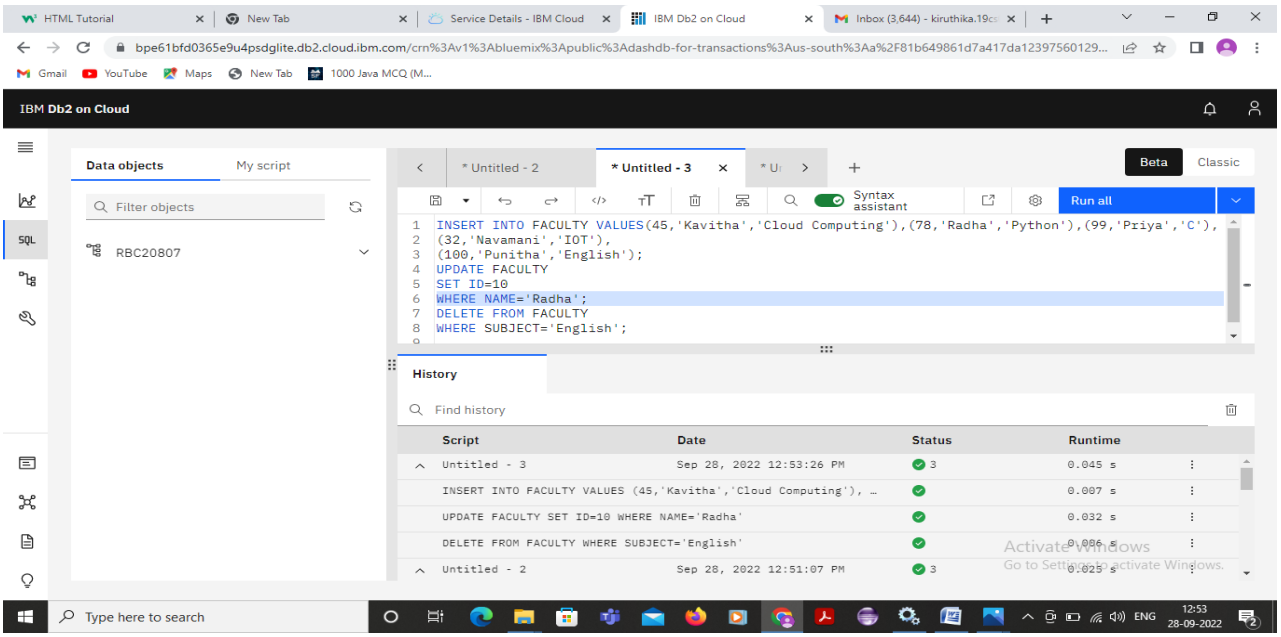
**OUTPUT:**



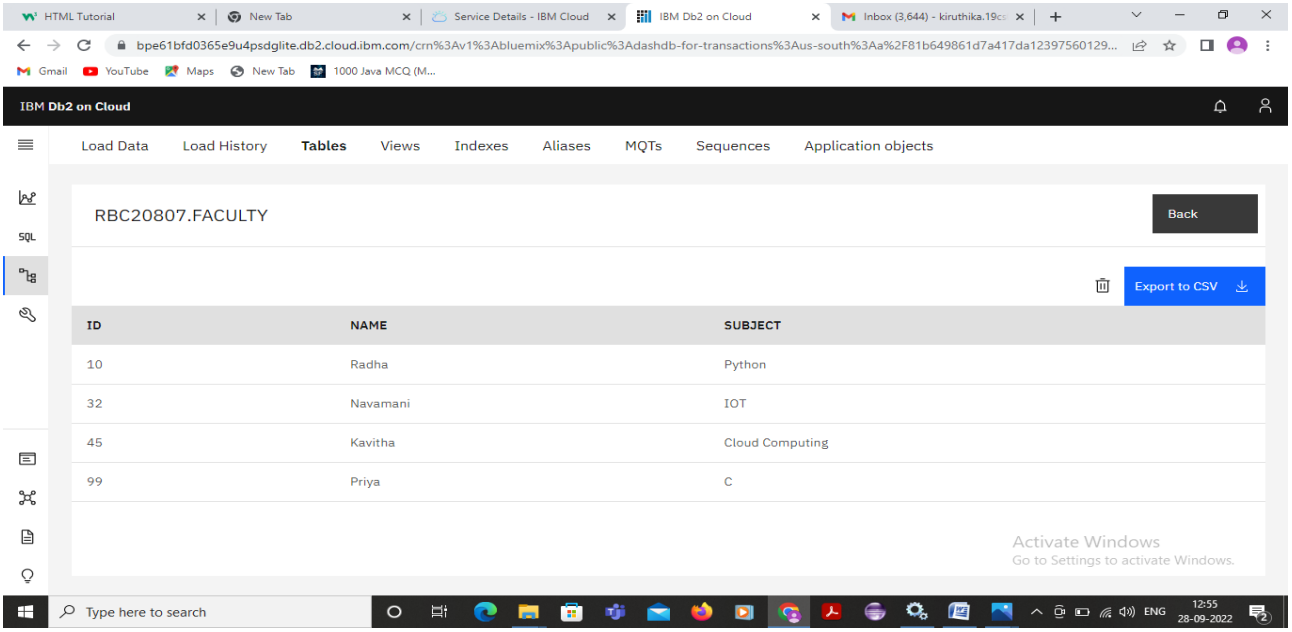

**FACULTY**

**QUERY:**

```
UPDATE FACULTY
SET ID=10
WHERE NAME='Radha';
DELETE FROM FACULTY
WHERE SUBJECT='English';
```



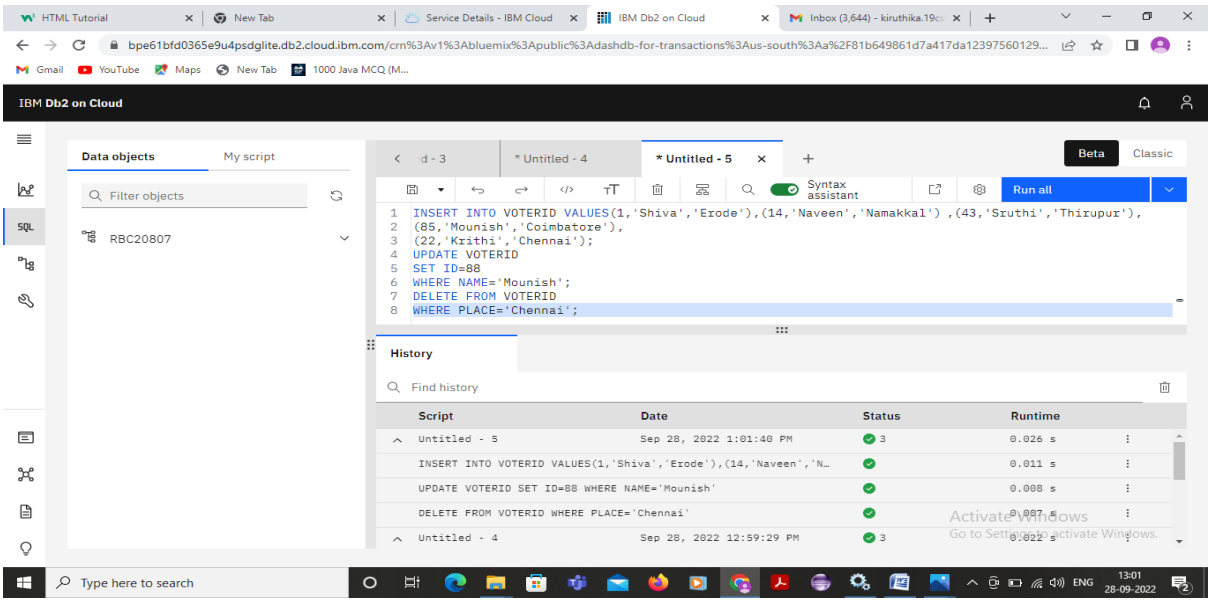
**OUTPUT:**



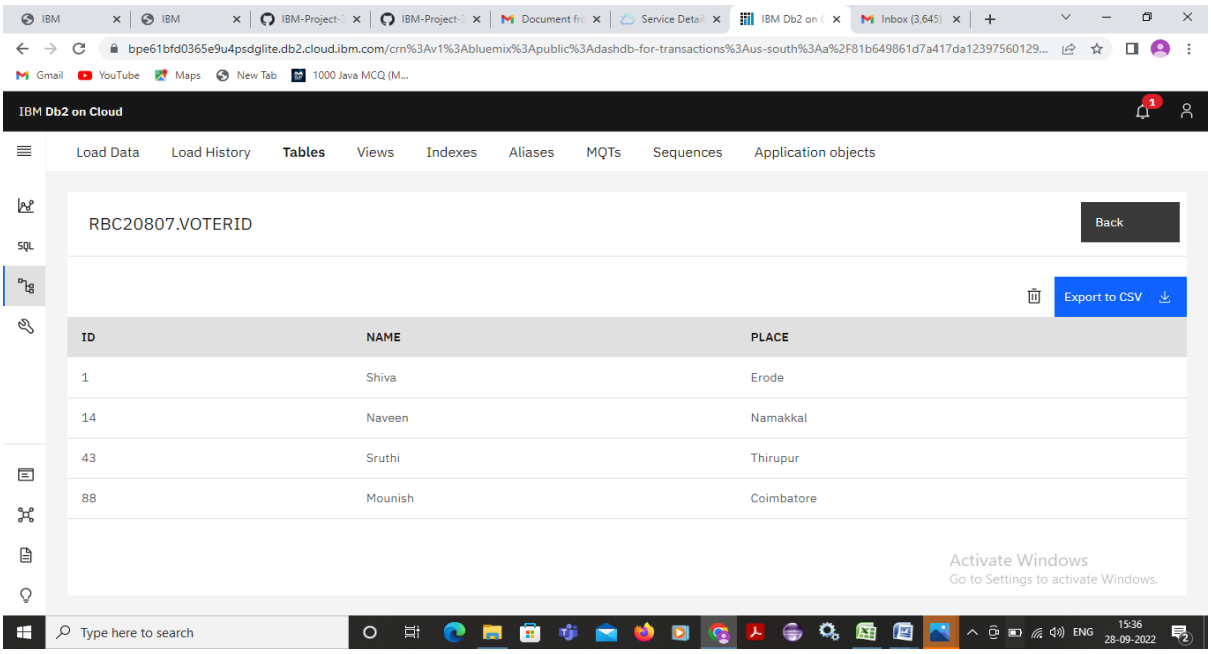

**VOTERID**

**QUERY:**

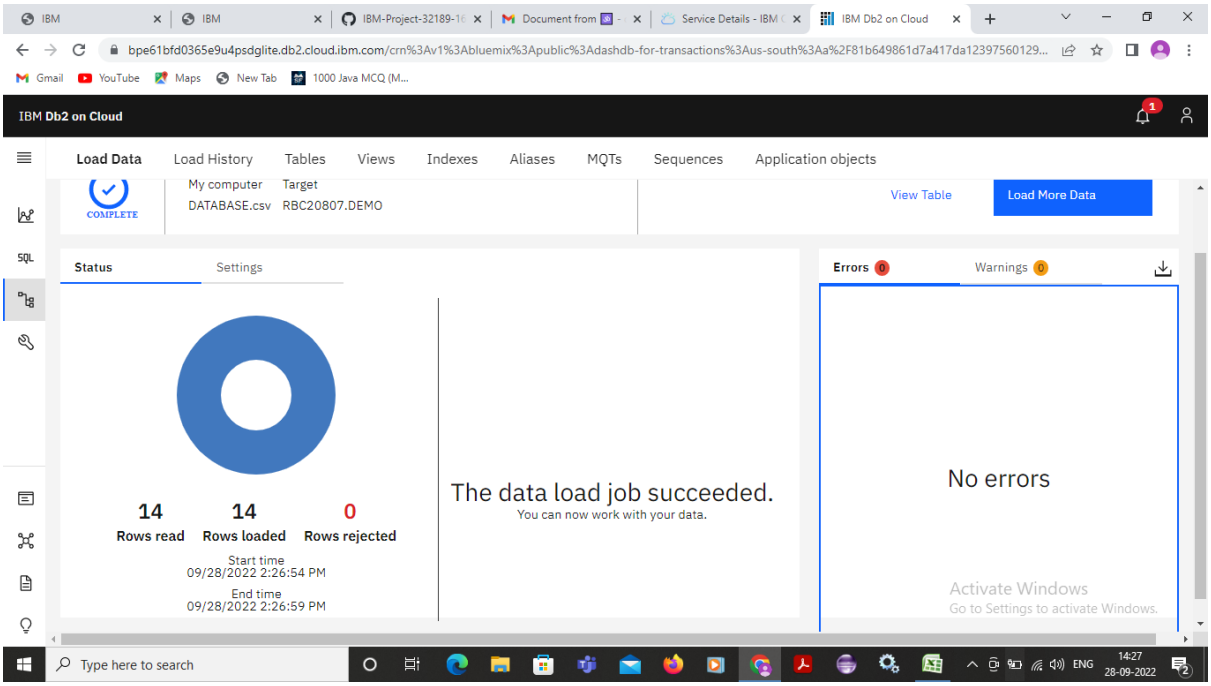
```
UPDATE VOTERID
SET ID=88
WHERE NAME='Mounish';
DELETE FROM VOTERID
WHERE PLACE='Chennai';
```

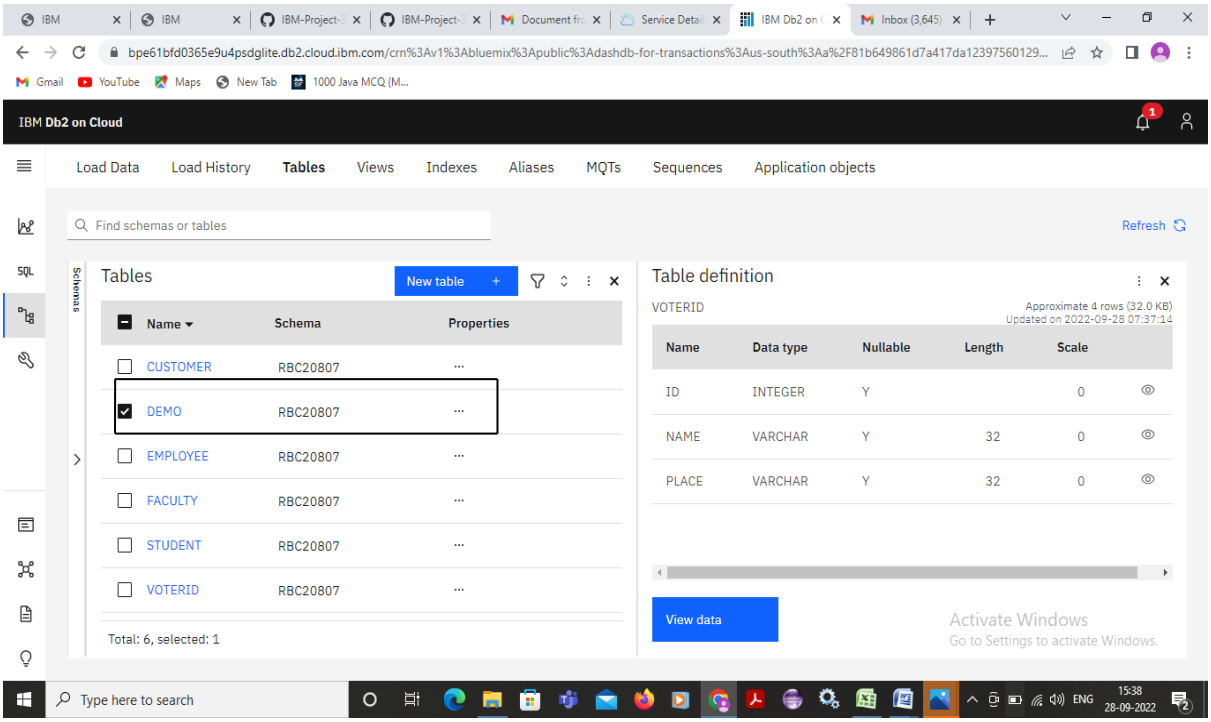


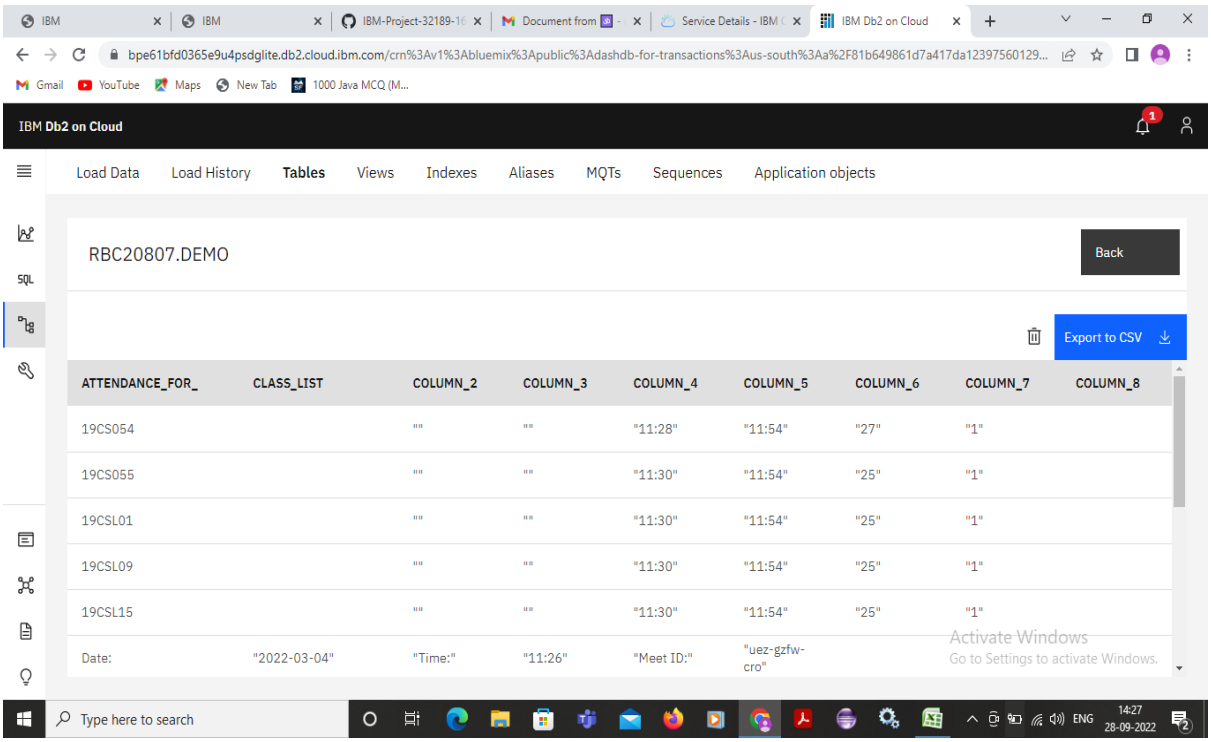
**OUTPUT:**

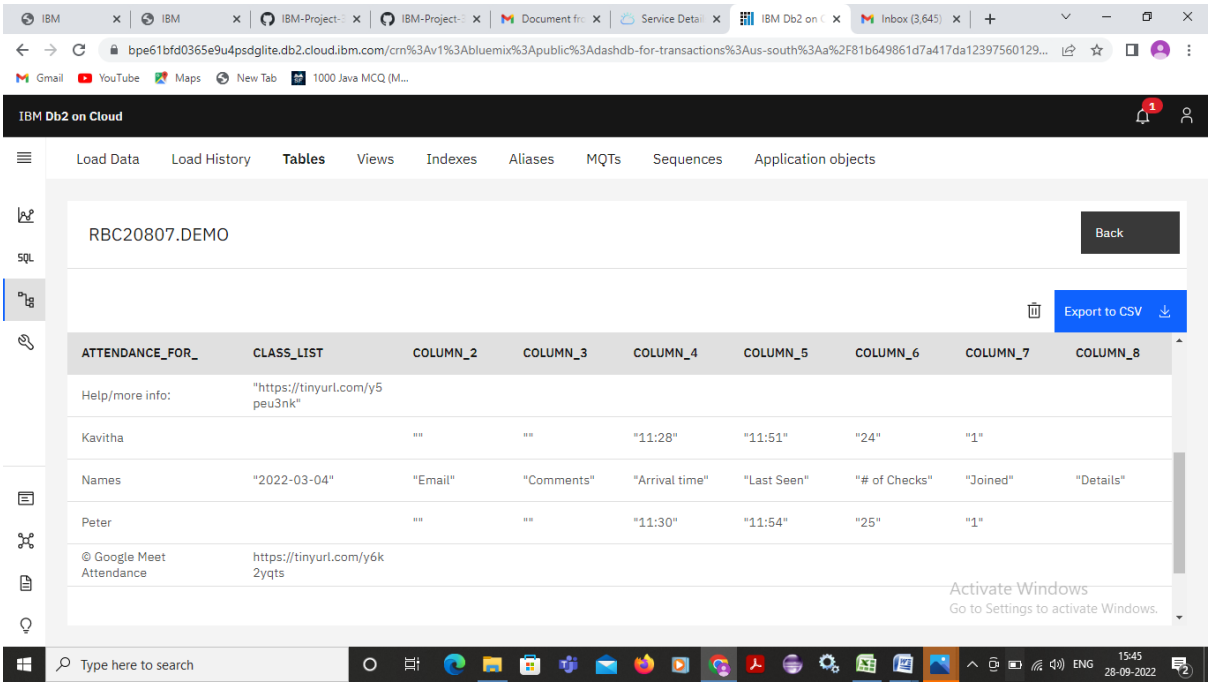



## 3.LOAD EXCEL COMMA SEPERATED FILE TO db2

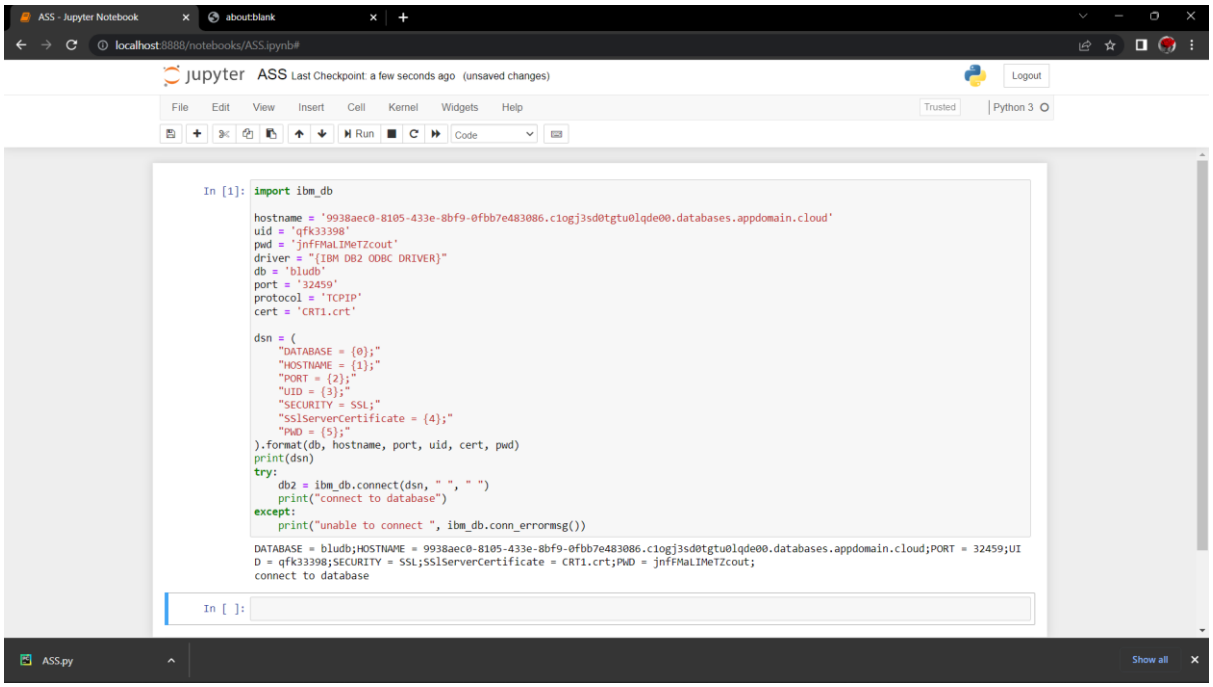



IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
Find schemas or tables
Refresh
Schemas
Tables
New table
Name
Schema
Properties
CUSTOMER RBC20807
DEMO RBC20807
EMPLOYEE RBC20807
FACULTY RBC20807
STUDENT RBC20807
VOTERID RBC20807
Total: 6, selected: 1
Table definition
VOTERID
Approximate 4 rows (32.0 KB)
Updated on 2022-09-28 07:37:14
Name
Data type
Nullable
Length
Scale
ID INTEGER Y 0
NAME VARCHAR Y 32 0
PLACE VARCHAR Y 32 0
View data
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
15:38
28-09-2022


IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
RBC20807.DEMO
Back
Export to CSV
ATTENDANCE_FOR_
CLASS_LIST
COLUMN_2
COLUMN_3
COLUMN_4
COLUMN_5
COLUMN_6
COLUMN_7
COLUMN_8
19CS054 "" "" "11:28" "11:54" "27" "1"
19CS055 "" "" "11:30" "11:54" "25" "1"
19CSL01 "" "" "11:30" "11:54" "25" "1"
19CSL09 "" "" "11:30" "11:54" "25" "1"
19CSL15 "" "" "11:30" "11:54" "25" "1"
Date: "2022-03-04" "Time:" "11:26" "Meet ID:" "uez-gzfw-cro"
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
14:27
28-09-2022




## 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;"
   "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())
```