ASSIGNMENT - 2

TEAM ID : PNT2022TMID19417

PROJECT NAME : PLASMA DONOR APPLICATION

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

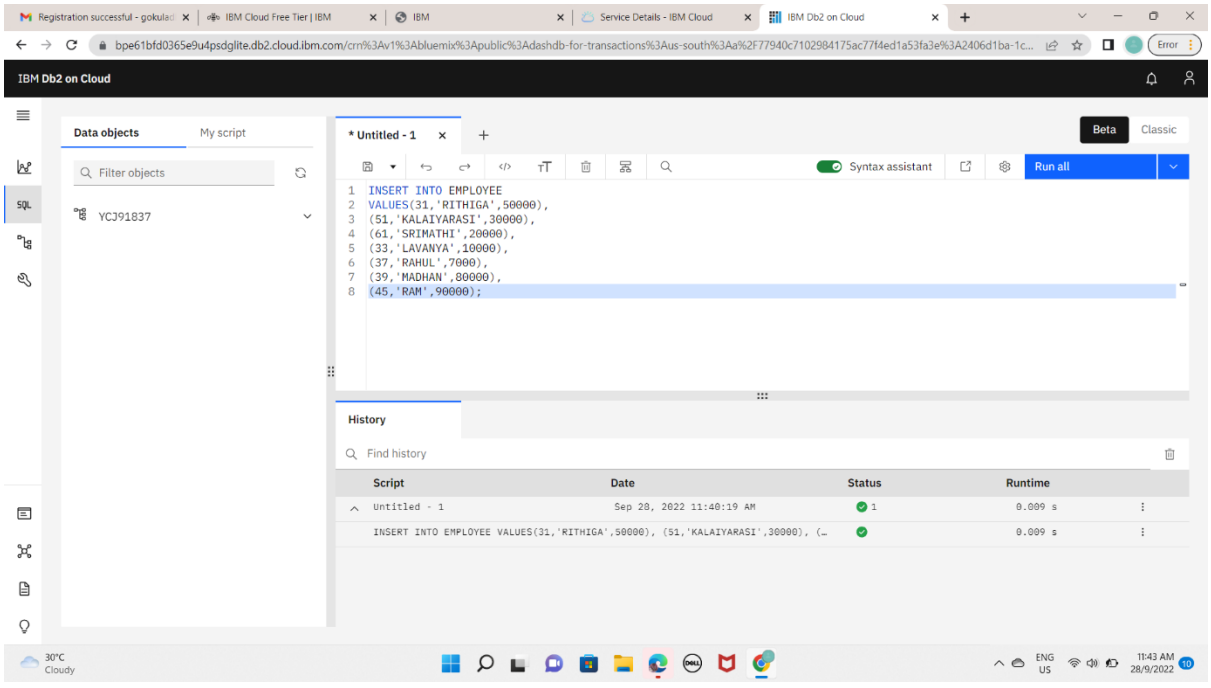
TABLE NAMES : EMPLOYEE ,STAFF,STUDENT,CUSTOMER ,BAND

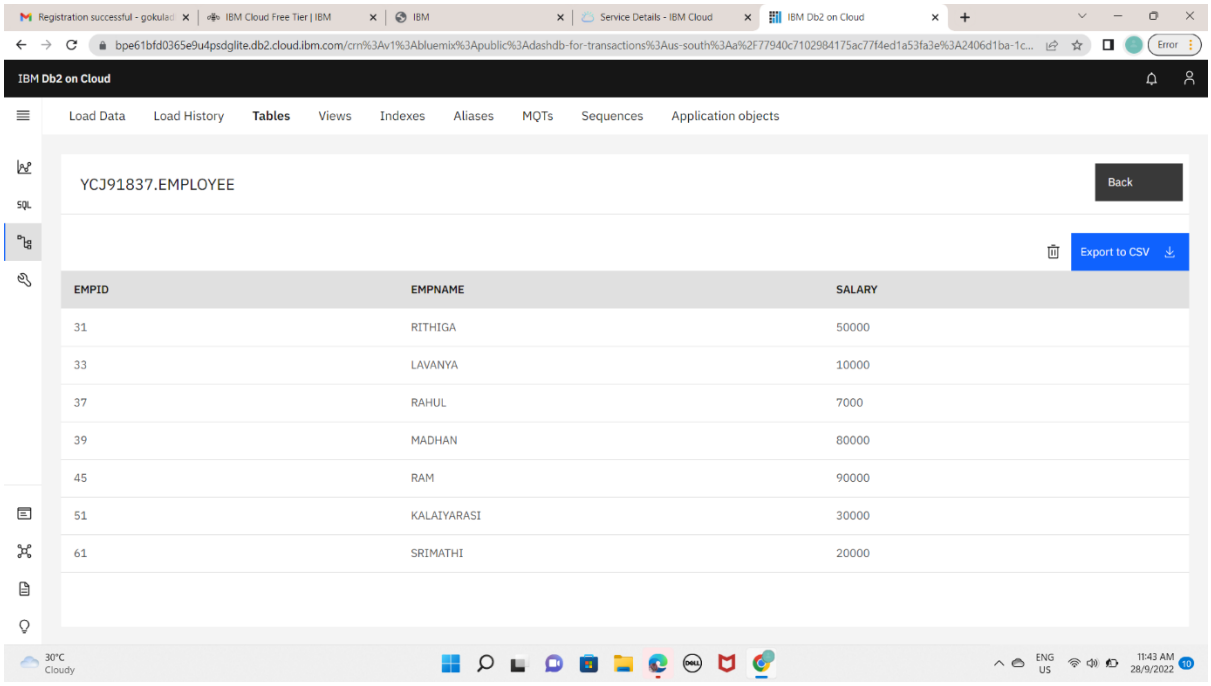
EMPLOYEE

QUERY :

```
INSERT INTO EMPLOYEE
VALUES(31,'RITHIGA',50000),
(51,'KALAIYARASI',30000),
(61,'SRIMATHI',20000),
(33,'LAVANYA',10000),
(37,'RAHUL',7000),
(39,'MADHAN',80000),
(45,'RAM',90000);
```

OUTPUT :



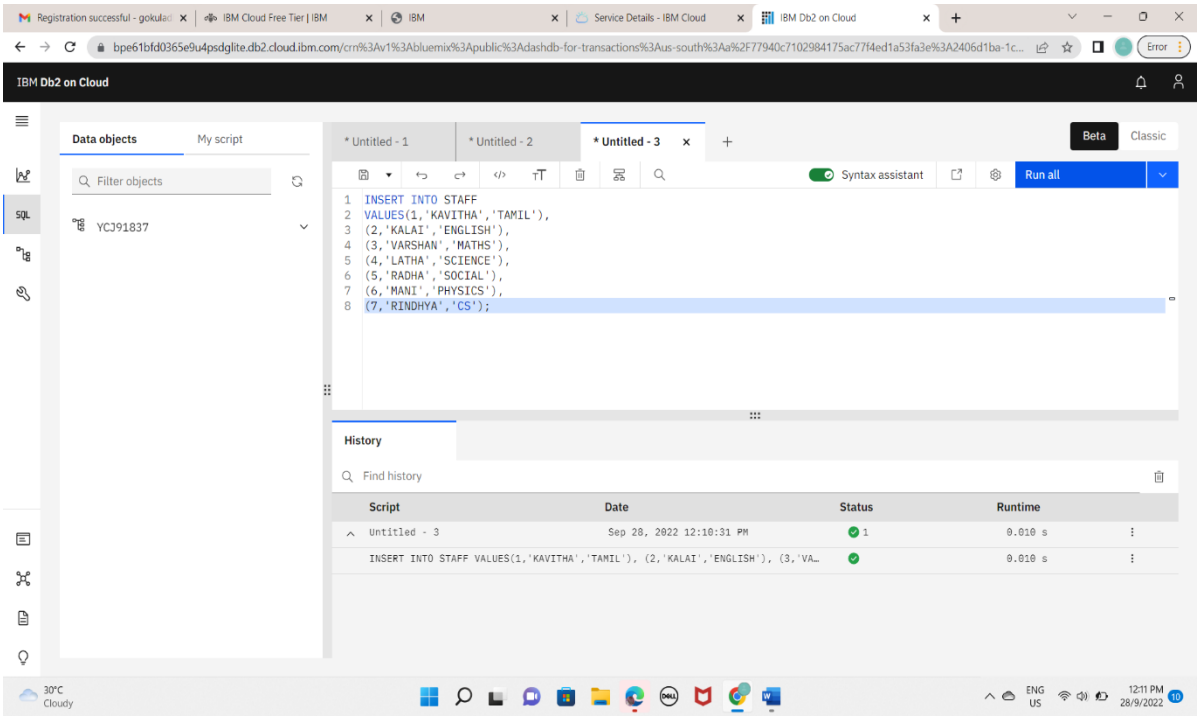


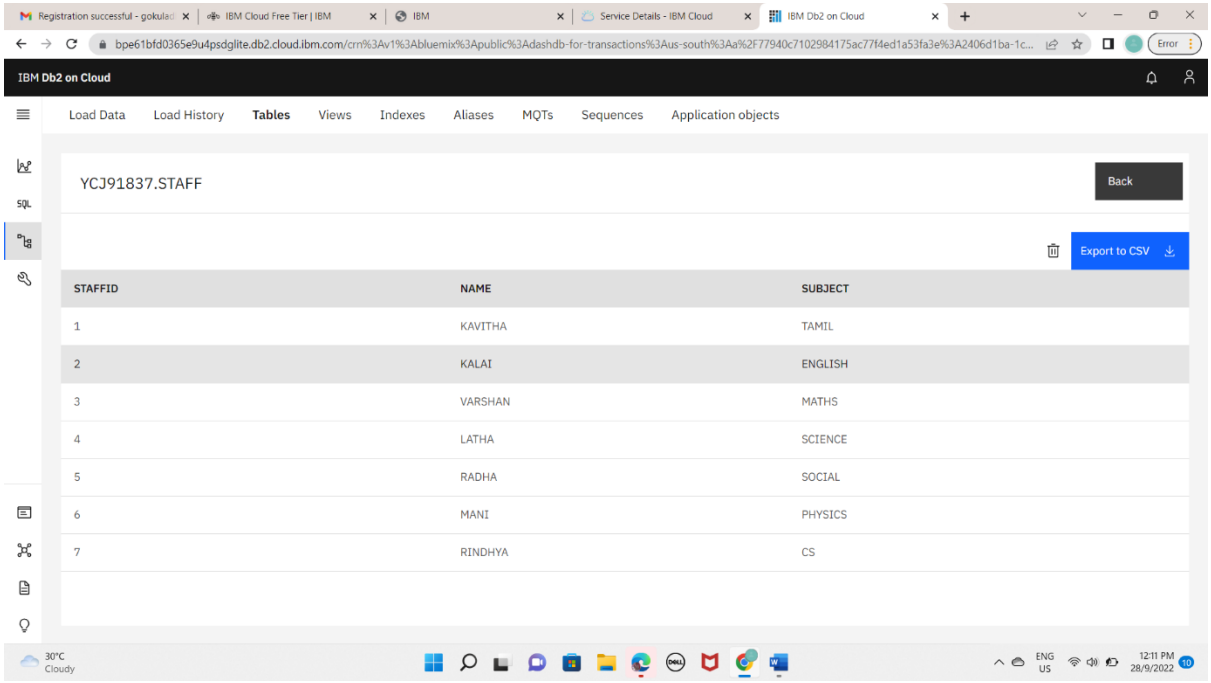
STAFF

QUERY :

```
INSERT INTO STAFF
VALUES(1,'KAVITHA','TAMIL'),(2,'KALAI','ENGLISH'),
(3,'VARSHAN','MATHS'),(4,'LATHA','SCIENCE'),
(5,'RADHA','SOCIAL'),(6,'MANI','PHYSICS'),(7,'RINDHYA','CS');
```

OUTPUT :





STUDENT

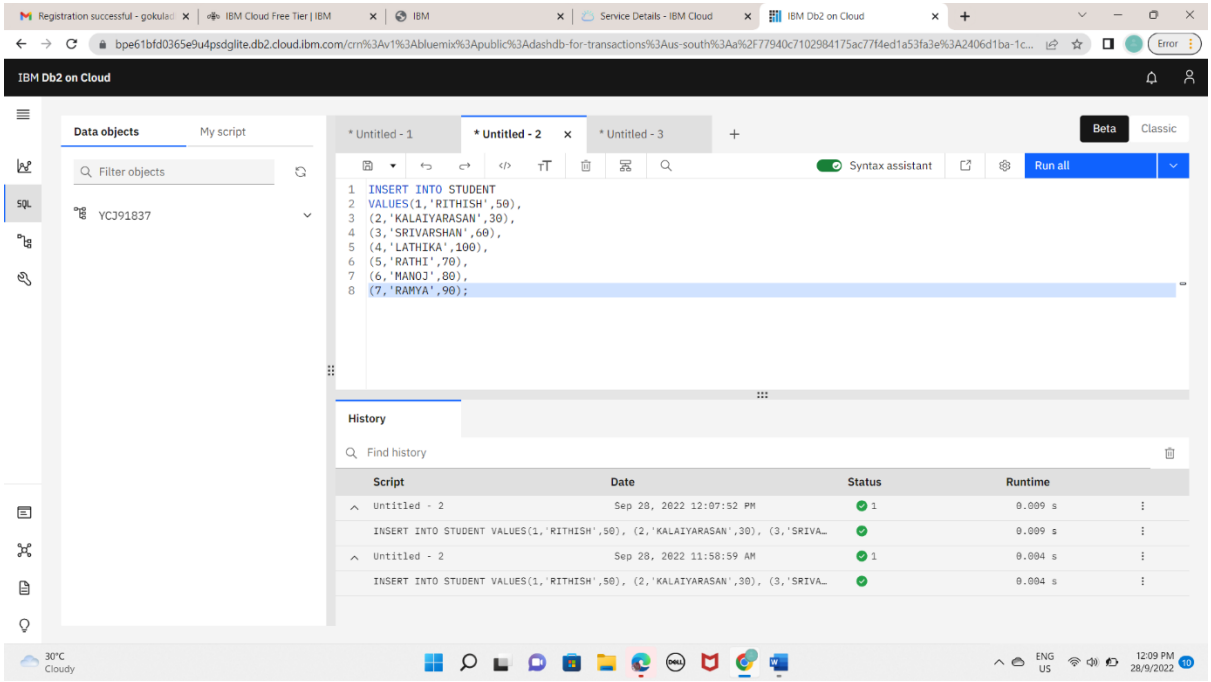
QUERY:

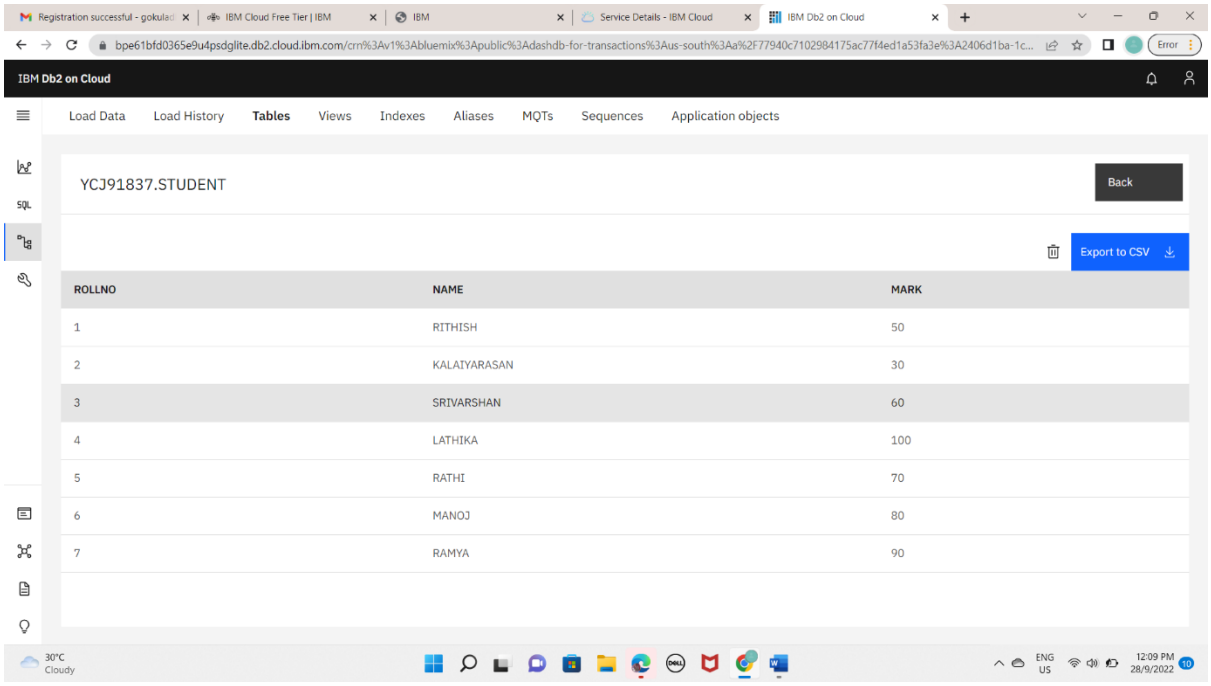
INSERT INTO STUDENT

VALUES(1,'RITHISH',50),(2,'KALAIYARASAN',30),(3,'SRIVARSHAN',60),(4,'LATHIKA',100),

(5,'RATHI',70),(6,'MANOJ',80),(7,'RAMYA',90);

OUTPUT:





CUSTOMER

QUERY :

INSERT INTO CUSTOMER

VALUES(1,'KAVITHA','AMAZON','CASH'),

(2,'KALAI','MEESHO','ONLINE_PAYMENT'),

(3,'VARSHAN','FLIPKART','CASH'),

(4,'LATHA','AMAZON','CASH'),

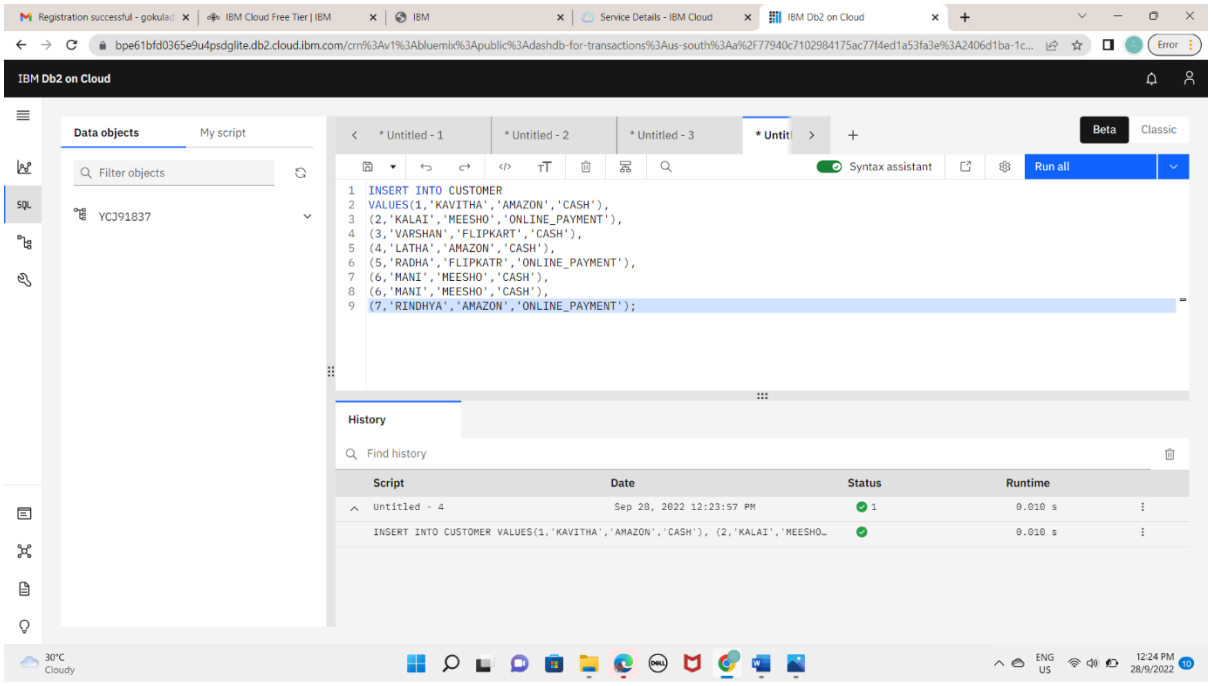
(5,'RADHA','FLIPKATR','ONLINE_PAYMENT'),

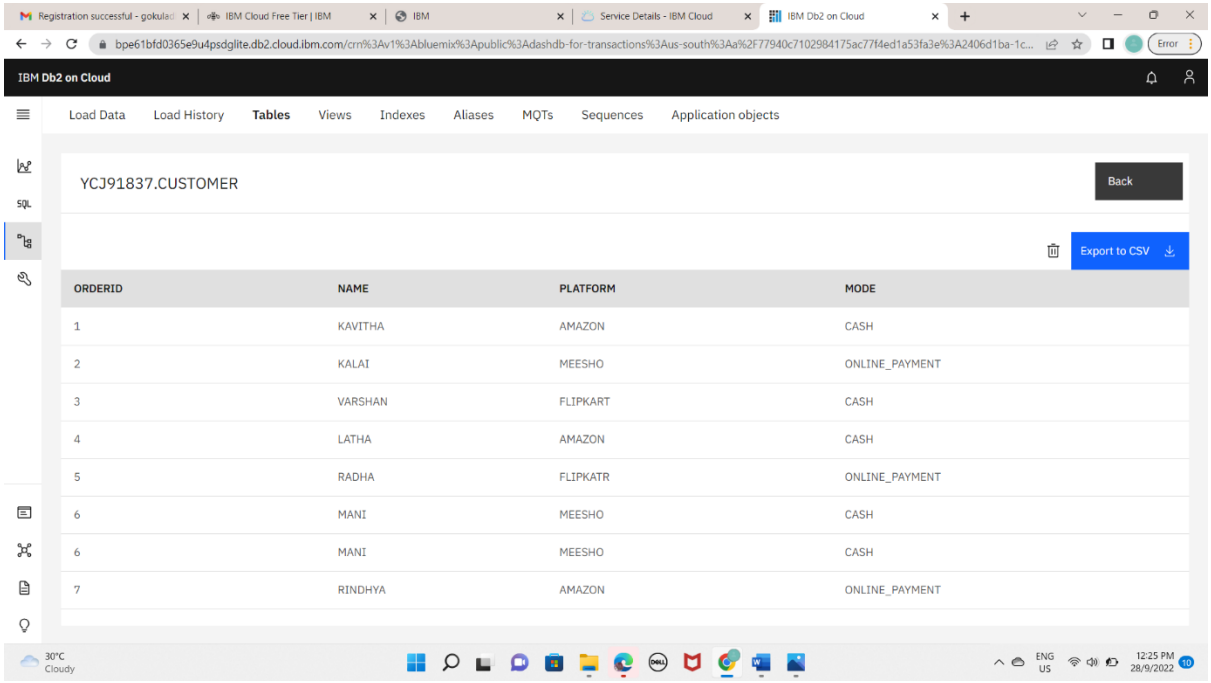
(6,'MANI','MEESHO','CASH'),

(6,'MANI','MEESHO','CASH'),

(7,'RINDHYA','AMAZON','ONLINE_PAYMENT');

OUTPUT :


IBM Db2 on Cloud
Data objects
My script
Filter objects
YCJ91837
* Untitled - 1
* Untitled - 2
* Untitled - 3
Beta
Classic
Syntax assistant
Run all
INSERT INTO CUSTOMER
VALUES(1,'KAVITHA','AMAZON','CASH'),
(2,'KALAI','MEESHO','ONLINE_PAYMENT'),
(3,'VARSHAN','FLIPKART','CASH'),
(4,'LATHA','AMAZON','CASH'),
(5,'RADHA','FLIPKATR','ONLINE_PAYMENT'),
(6,'MANI','MEESHO','CASH'),
(6,'MANI','MEESHO','CASH'),
(7,'RINDHYA','AMAZON','ONLINE_PAYMENT');
History
Find history
Script
Date
Status
Runtime
Untitled - 4
Sep 28, 2022 12:23:57 PM
0.010 s
INSERT INTO CUSTOMER VALUES(1,'KAVITHA','AMAZON','CASH'), (2,'KALAI','MEESHO…
0.010 s

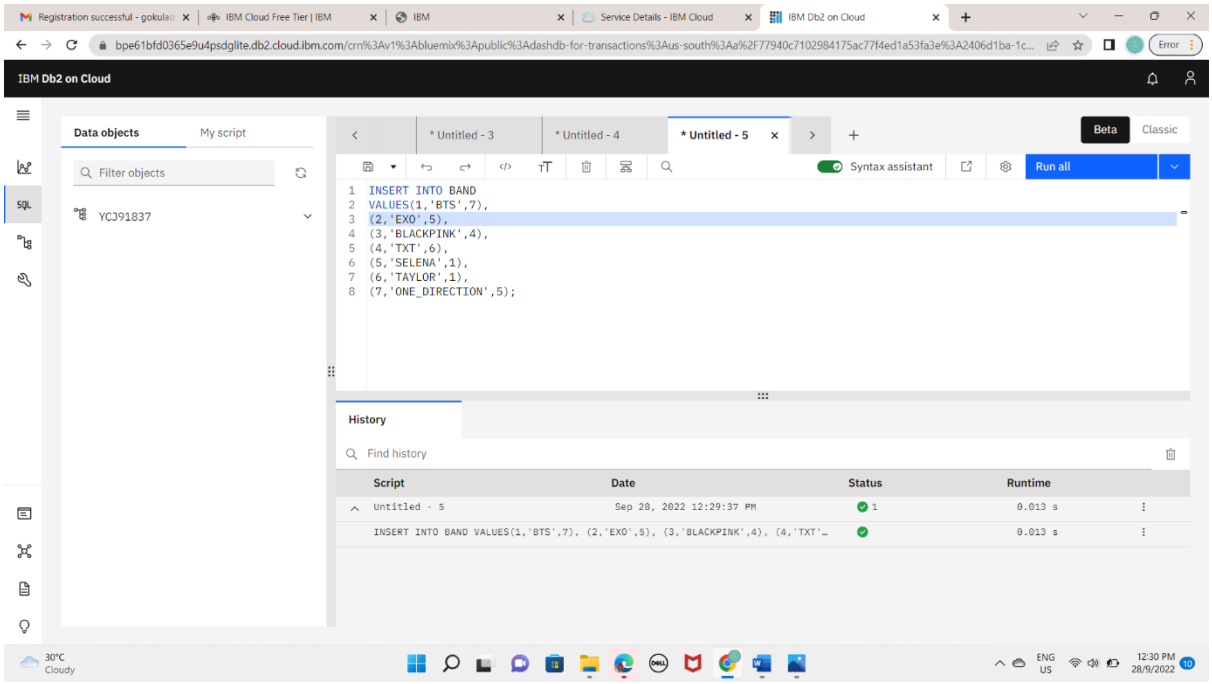

IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
YCJ91837.CUSTOMER
Back
Export to CSV
ORDERID
NAME
PLATFORM
MODE
1 KAVITHA AMAZON CASH
2 KALAI MEESHO ONLINE_PAYMENT
3 VARSHAN FLIPKART CASH
4 LATHA AMAZON CASH
5 RADHA FLIPKATR ONLINE_PAYMENT
6 MANI MEESHO CASH
6 MANI MEESHO CASH
7 RINDHYA AMAZON ONLINE_PAYMENT

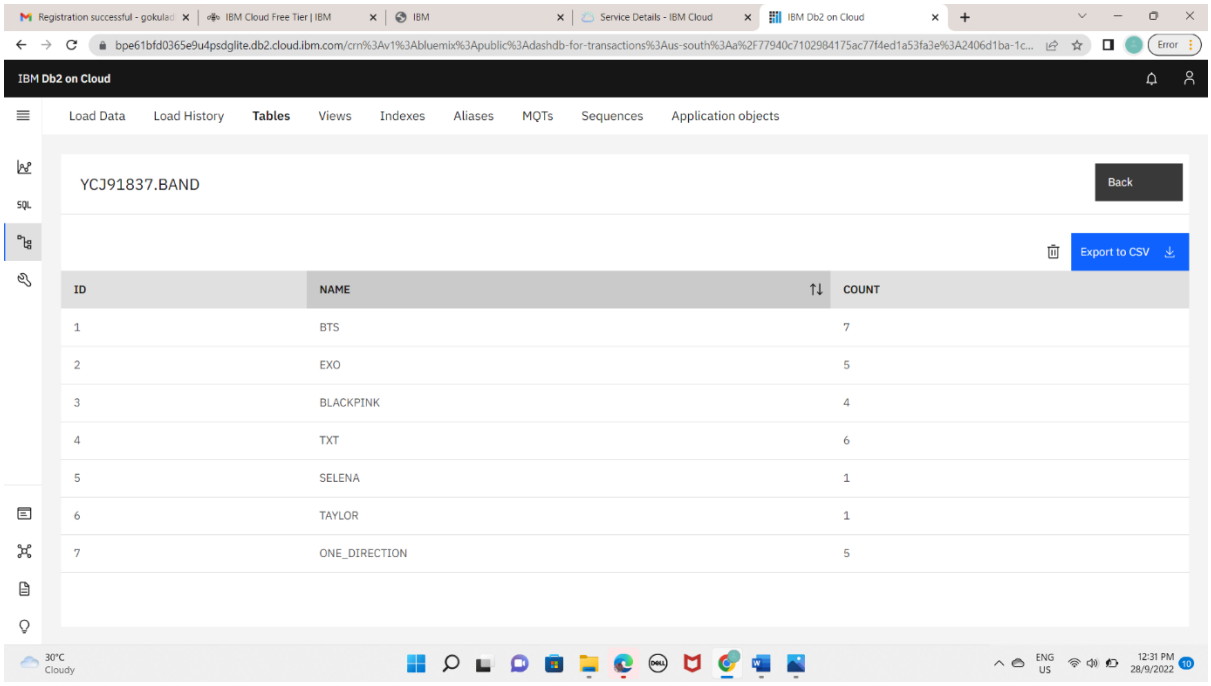
BAND

QUERY :

```
INSERT INTO BAND
VALUES(1,'BTS',7),
 (2,'EXO',5),
(3,'BLACKPINK',4),
(4,'TXT',6),
(5,'SELENA',1),
(6,'TAYLOR',1),
(7,'ONE_DIRECTION',5);
```

OUTPUT :



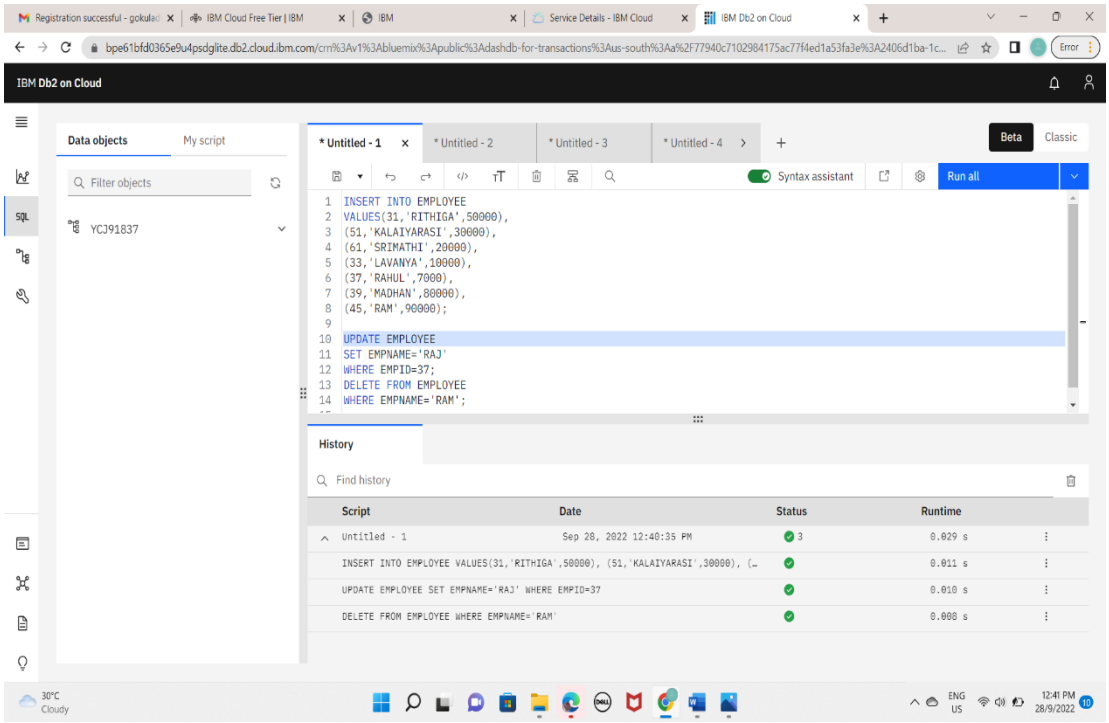


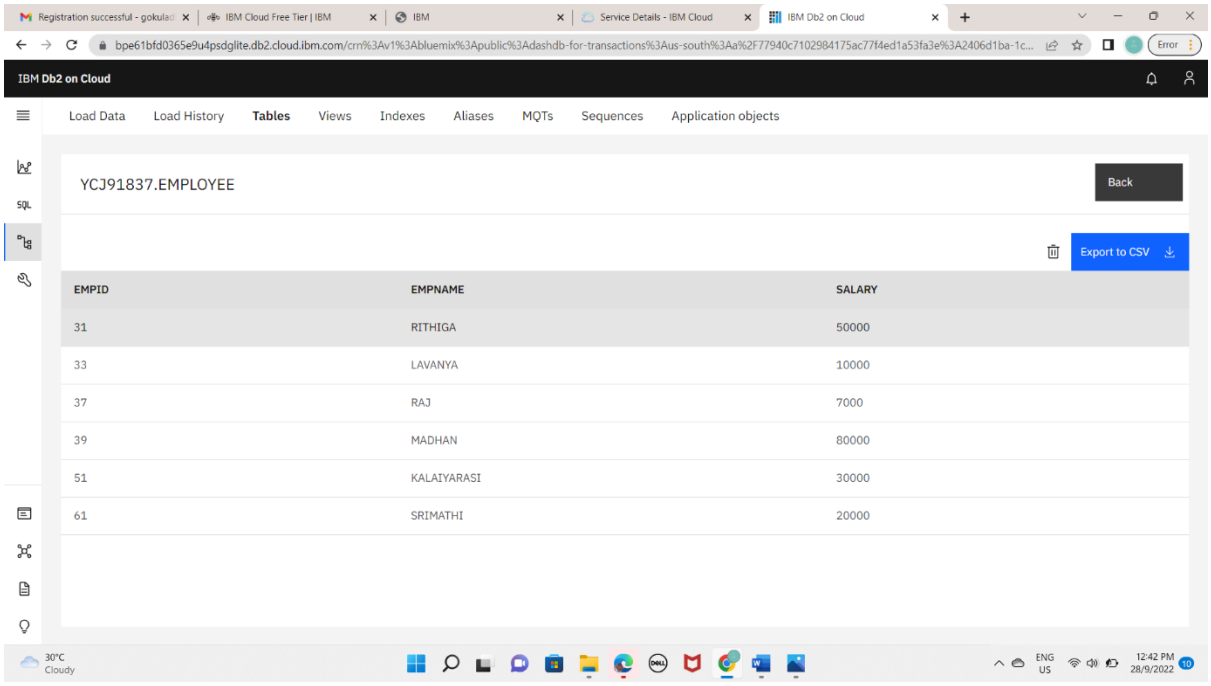
2.PERFORM UPDATE , DELETE QUERIES in 5 tables:

EMPLOYEE QUERY :

```
UPDATE EMPLOYEE
SET EMPNAME='RAJ' WHERE EMPID=37;
DELETE FROM EMPLOYEE
WHERE EMPNAME='RAM';
```

OUTPUT:

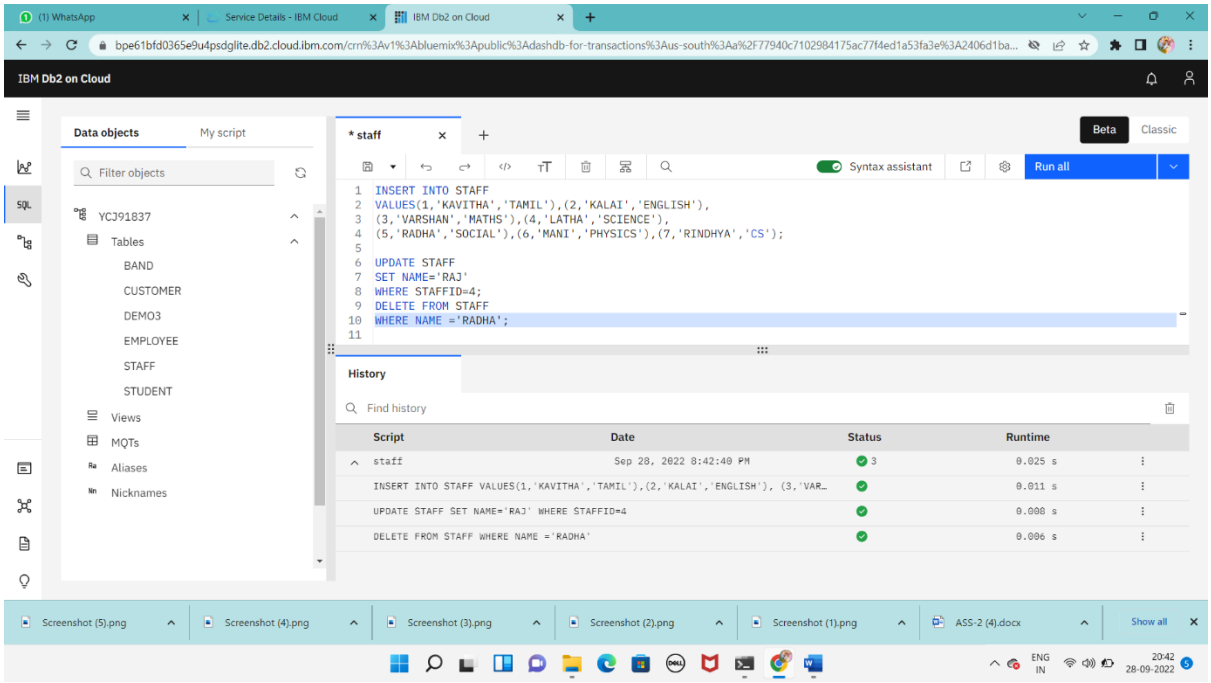


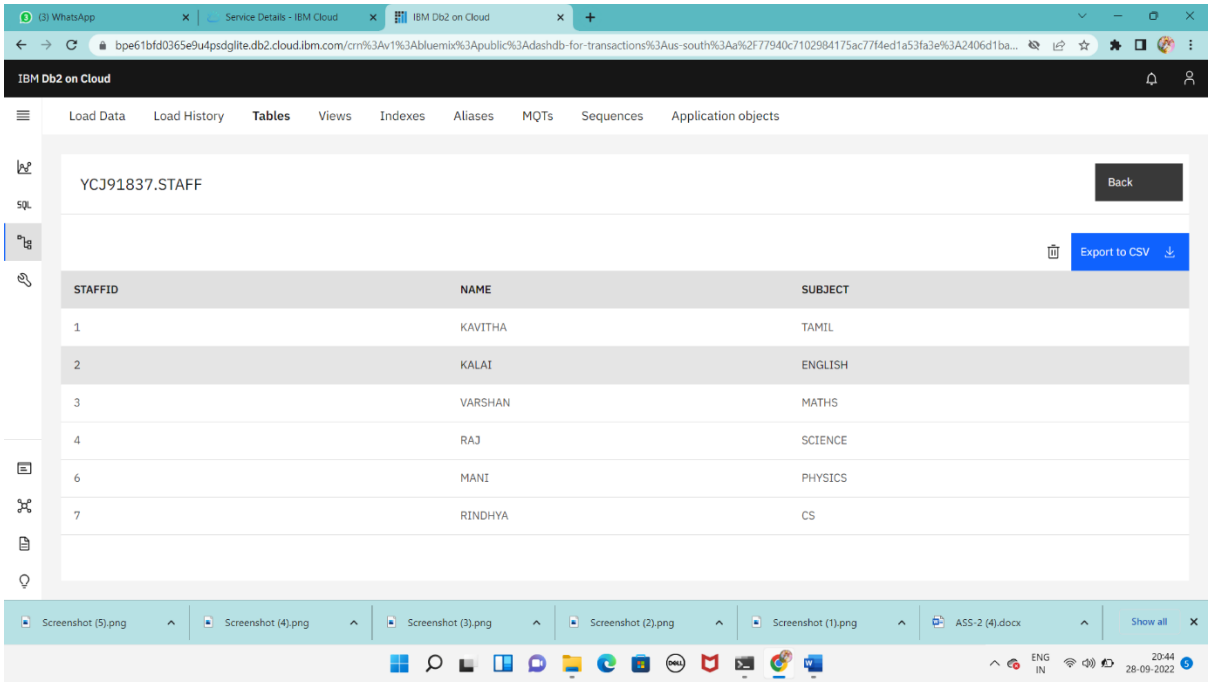


STAFF QUERY :

```
UPDATE STAFF
SET NAME='RAJ'
WHERE STAFFID=4;
DELETE FROM STAFF
WHERE NAME ='RADHA';
```

OUTPUT :

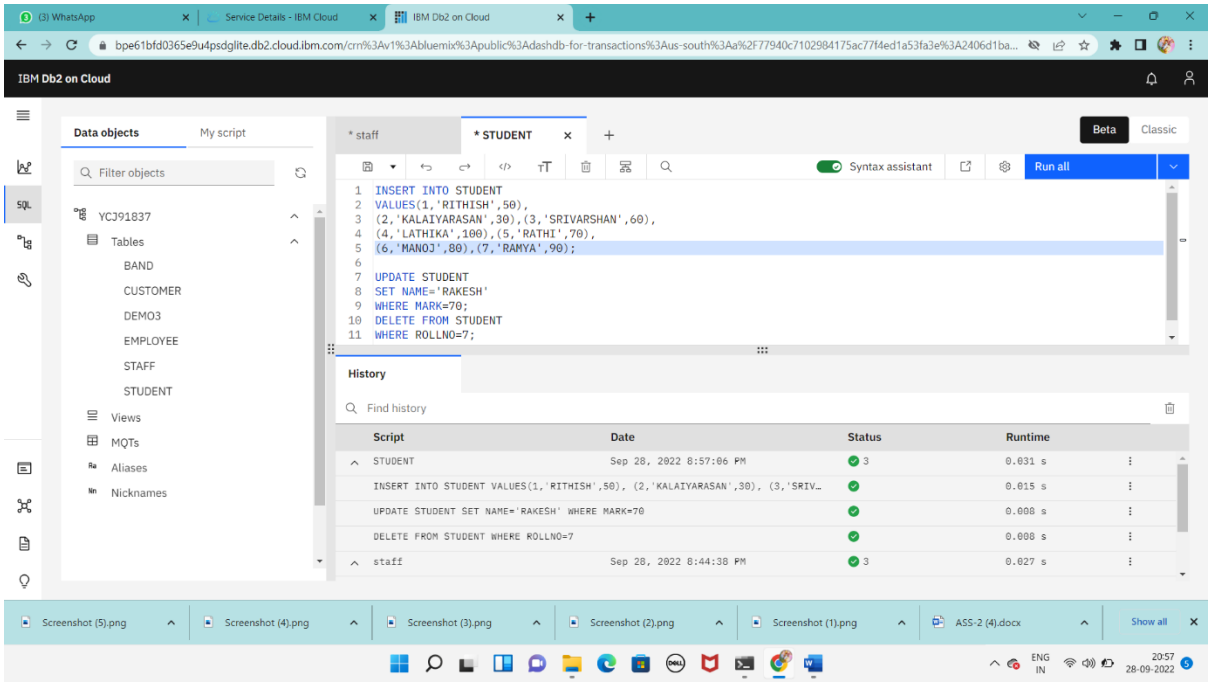


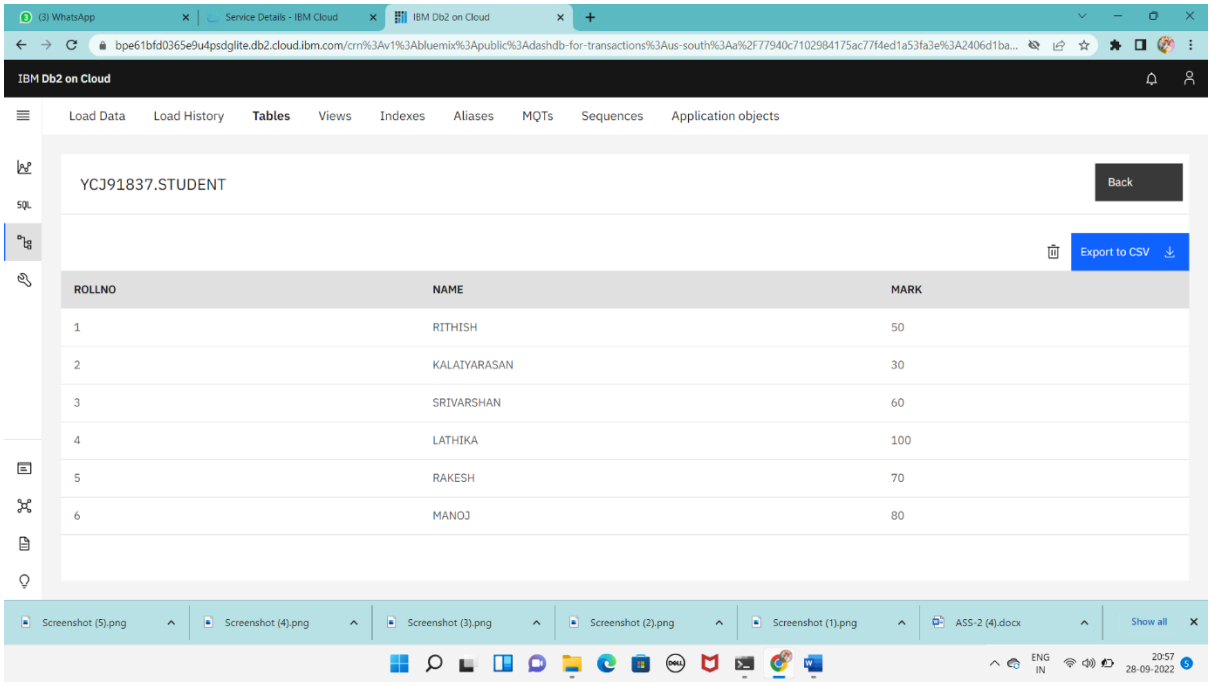


STUDENT QUERY :

```
UPDATE STUDENT
SET NAME='RAKESH'
WHERE MARK=70;
DELETE FROM STUDENT
WHERE ROLLNO=7;
```

OUTPUT :

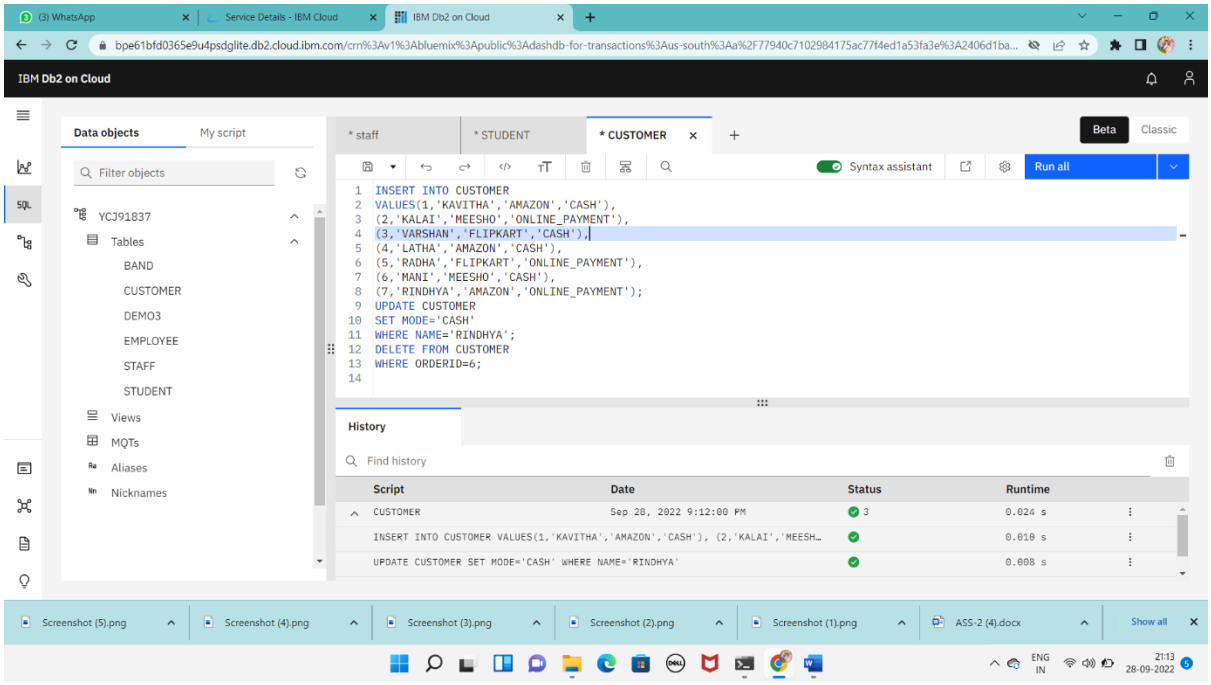


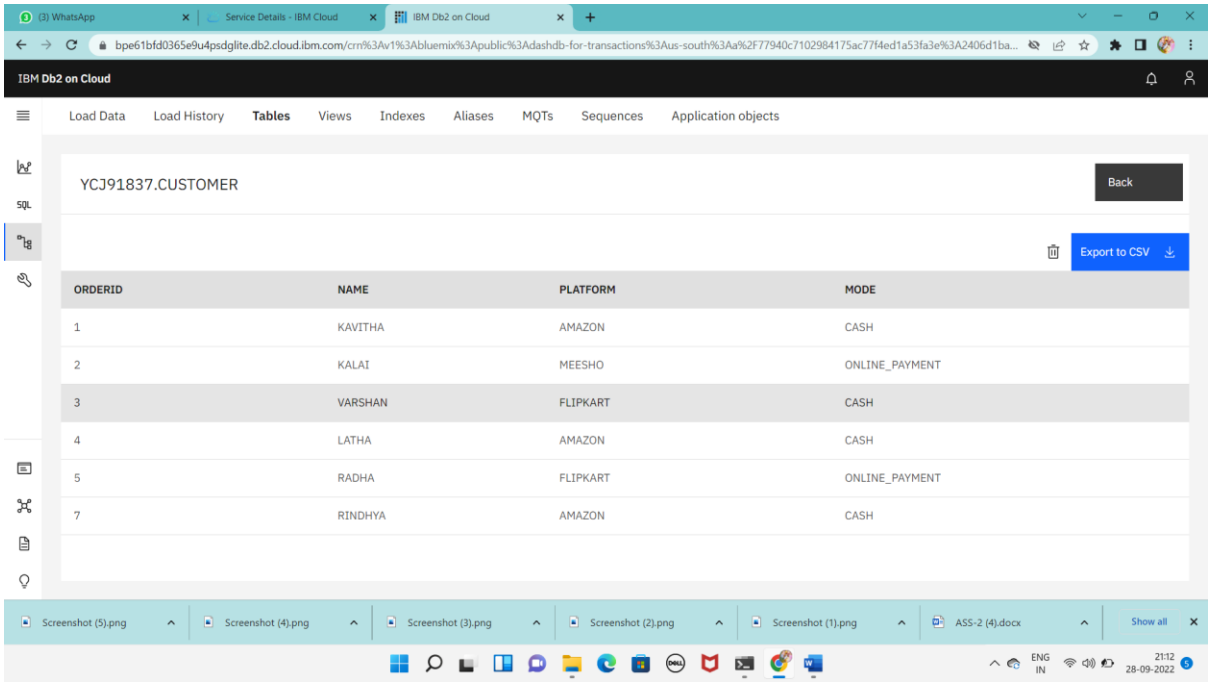


CUSTOMER QUERY:

```
UPDATE CUSTOMER

SET MODE='CASH'

WHERE NAME='RINDHYA';

DELETE FROM CUSTOMER

WHERE ORDERID=6;
```

OUTPUT:

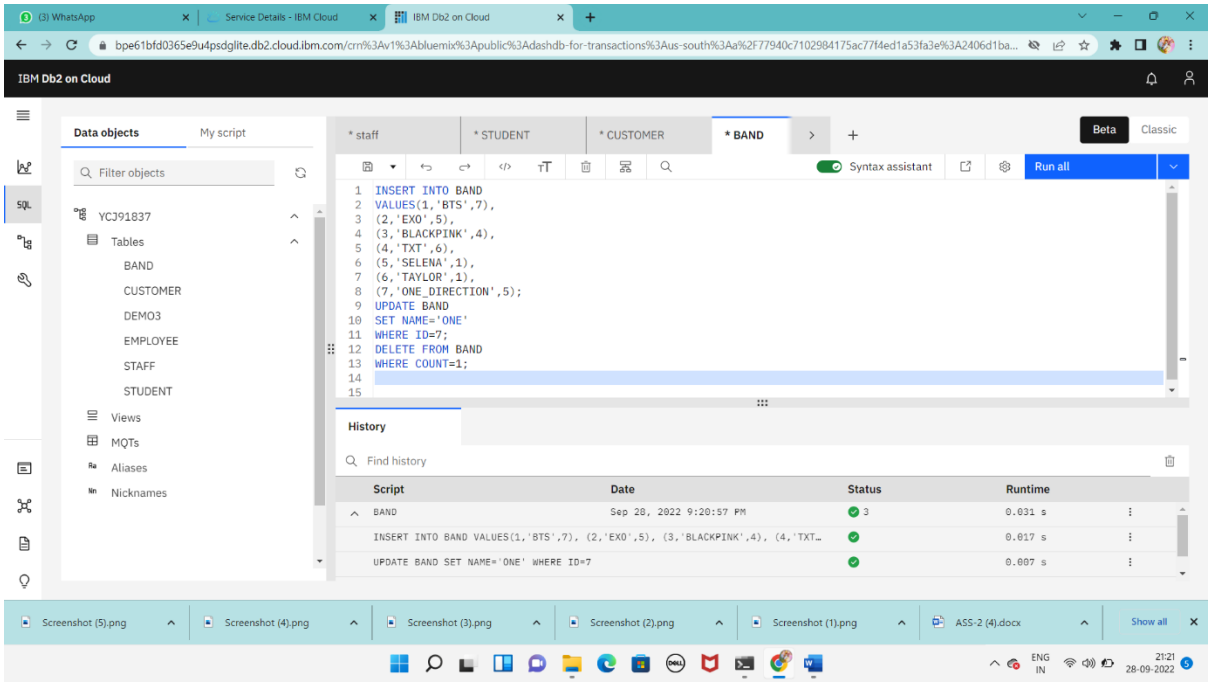


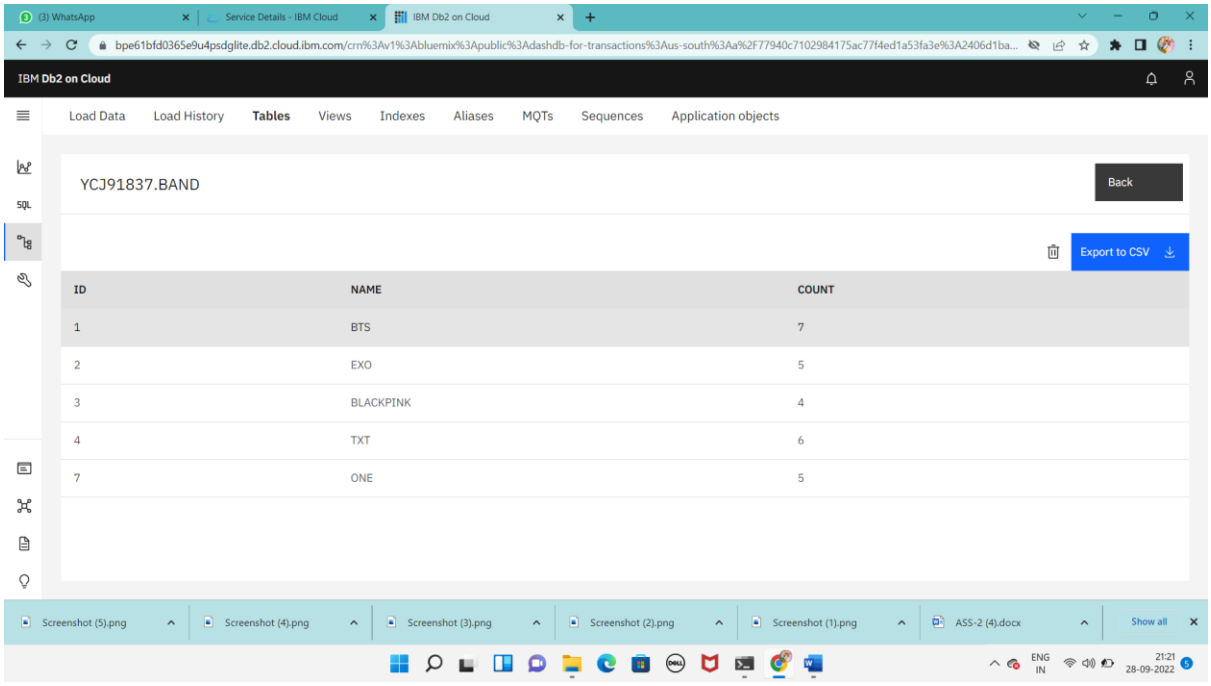


BAND QUERY :

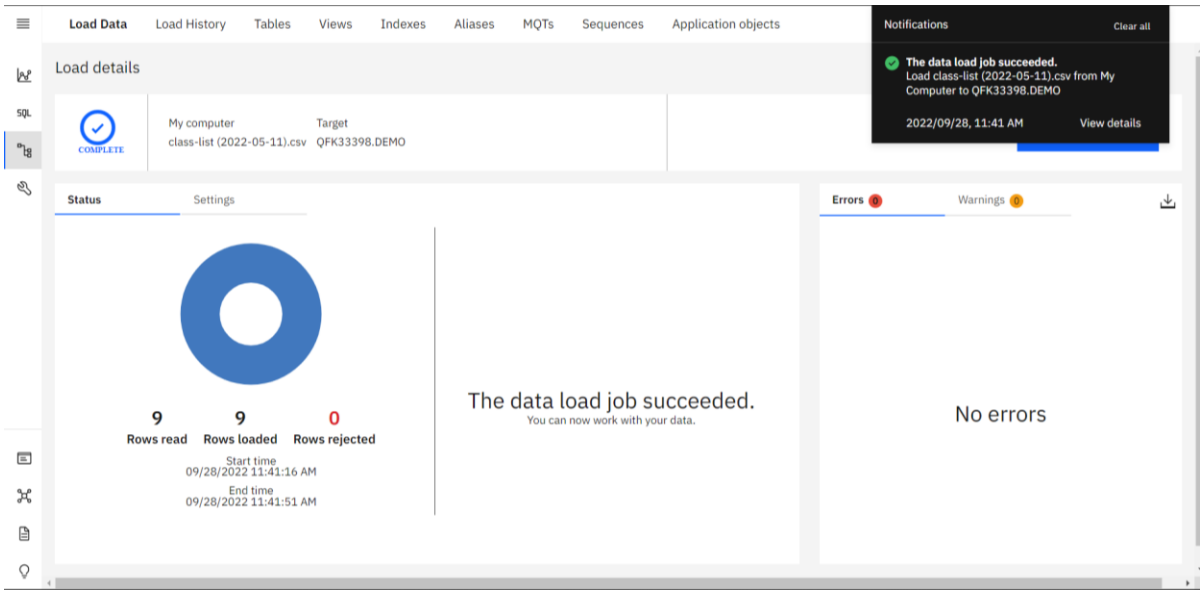
```
UPDATE STUDENT

SET NAME='RAKESH'

WHERE MARK=70;

DELETE FROM STUDENT

WHERE ROLLNO=7;
```

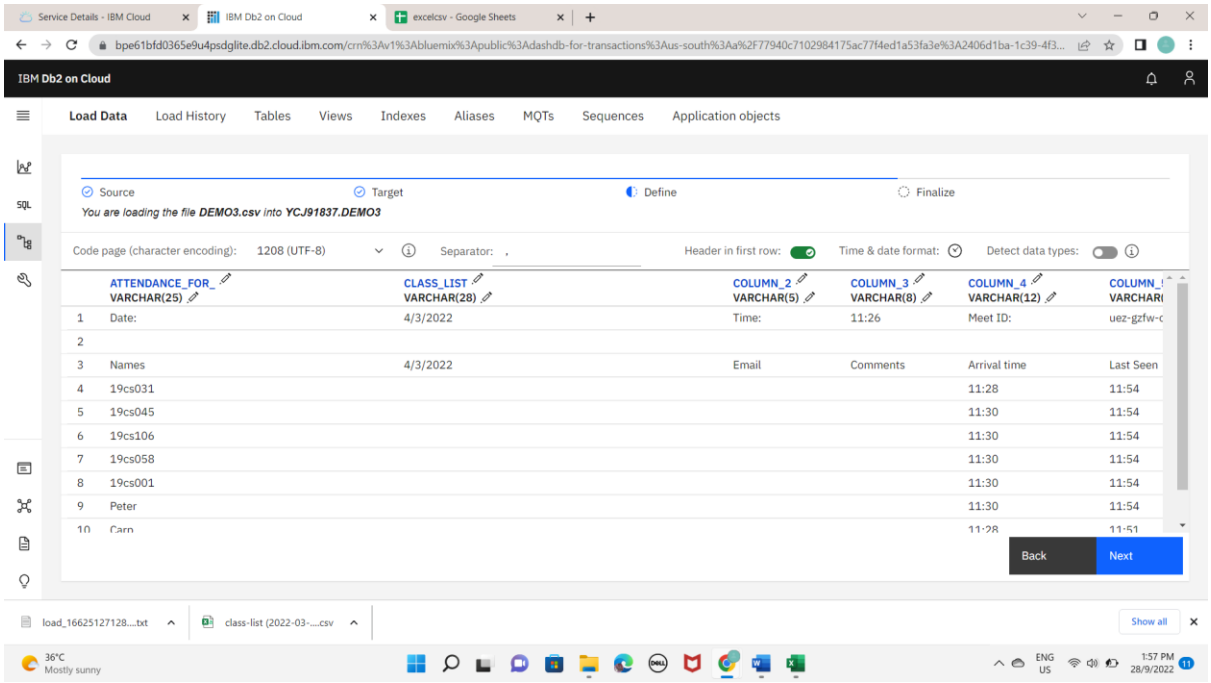
OUTPUT :

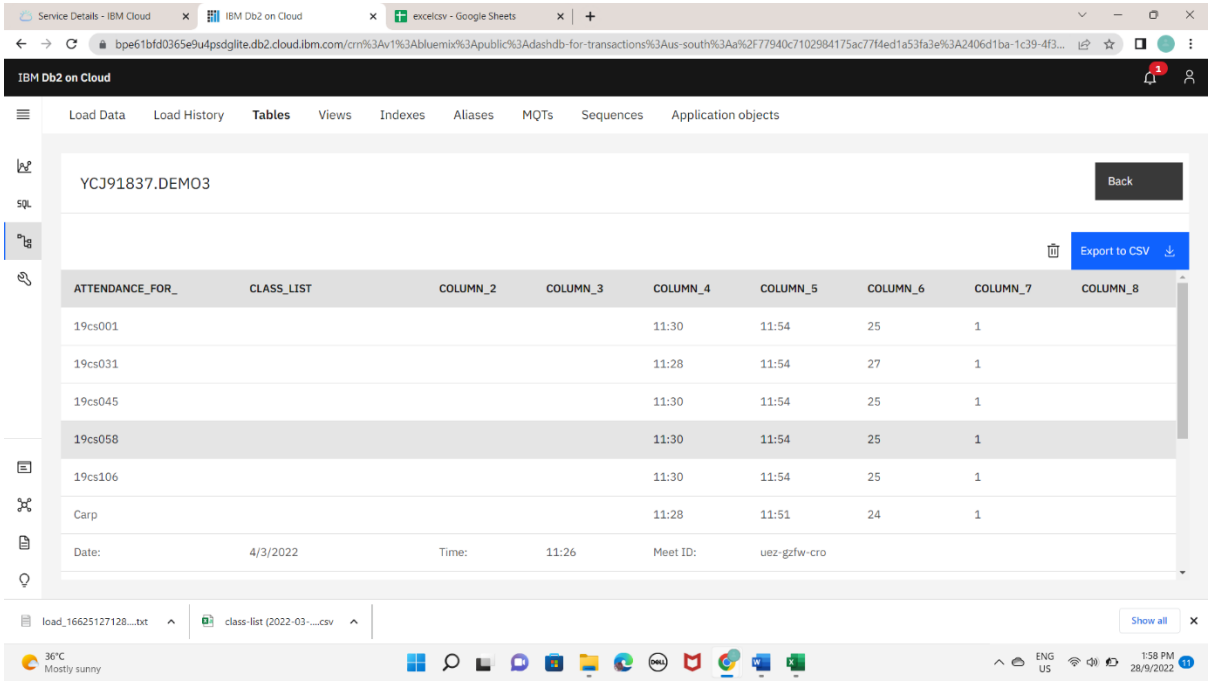




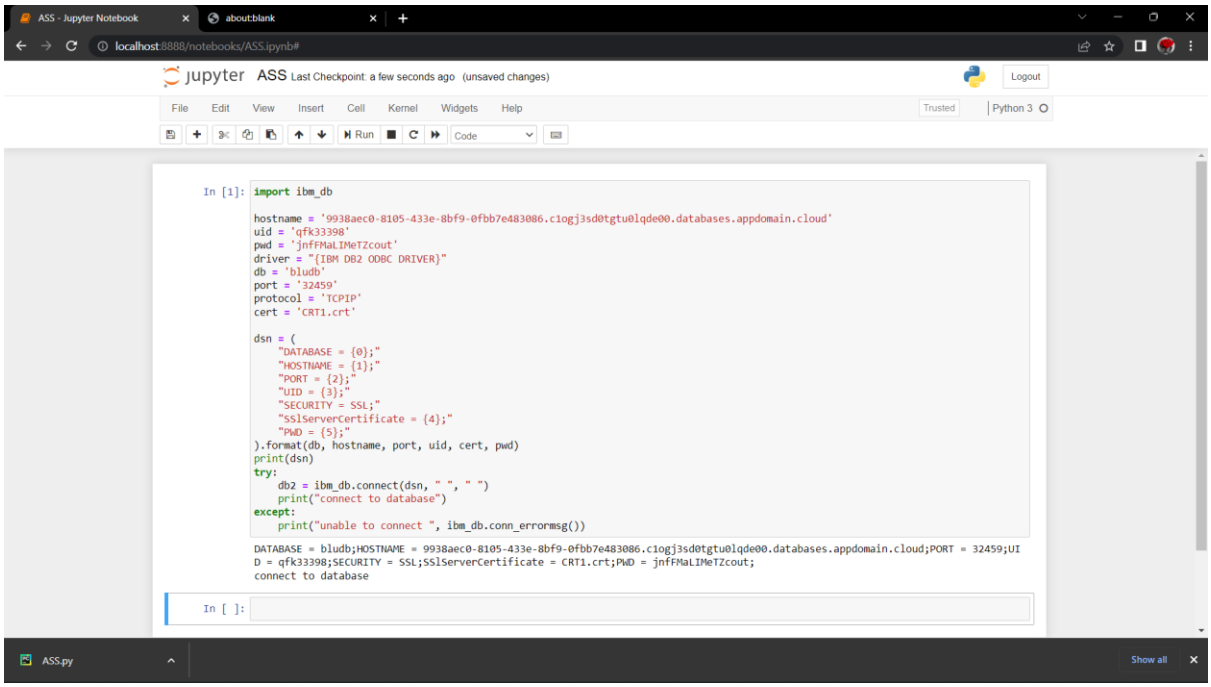
3. LOAD EXCEL COMMA SEPARATED FILE TO db2.




IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
Source
Target
Define
Finalize
You are loading the file DEMO3.csv into YCJ91837.DEMO3
Code page (character encoding): 1208 (UTF-8)
Separator: ,
Header in first row:
Time & date format:
Detect data types:
ATTENDANCE_FOR_ VARCHAR(25)
CLASS_LIST VARCHAR(28)
COLUMN_2 VARCHAR(5)
COLUMN_3 VARCHAR(8)
COLUMN_4 VARCHAR(12)
1 Date: 4/3/2022 Time: 11:26 Meet ID: uez-gzfw-c
2
3 Names 4/3/2022 Email Comments Arrival time Last Seen
4 19cs031 11:28 11:54
5 19cs045 11:30 11:54
6 19cs106 11:30 11:54
7 19cs058 11:30 11:54
8 19cs001 11:30 11:54
9 Peter 11:30 11:54
10 Carp 11:28 11:51
Back
Next


IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
YCJ91837.DEMO3
Back
Export to CSV
ATTENDANCE_FOR_ CLASS_LIST COLUMN_2 COLUMN_3 COLUMN_4 COLUMN_5 COLUMN_6 COLUMN_7 COLUMN_8
19cs001 11:30 11:54 25 1
19cs031 11:28 11:54 27 1
19cs045 11:30 11:54 25 1
19cs058 11:30 11:54 25 1
19cs106 11:30 11:54 25 1
Carp 11:28 11:51 24 1
Date: 4/3/2022 Time: 11:26 Meet ID: uez-gzfw-cro

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())
```