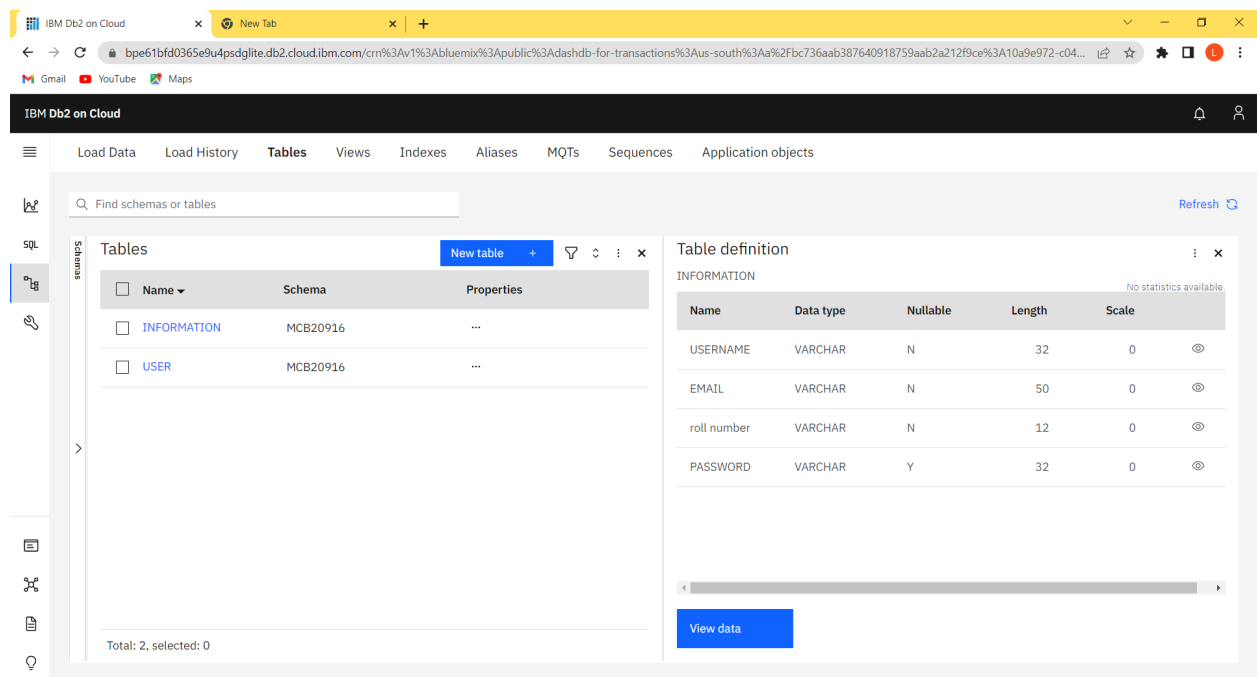


ASSIGNMENT 4

Question 1:-Create a user table with user with email,username,roll number,password



Inserting values into table:-

Query

```
insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');
```

```
insert into information values ('harini','haru@gmail.com','19bec029','1u733');
```

```
insert into information values ('sathvika','satu@gmail.com','19bec29','satcs');
```

```
insert into information values ('renisha','reni@gmail.com','19bec20','res');
```

IBM Db2 on Cloud

Filter objects

MCB20916

- Tables
- INFORMATION
- USER
- Views
- MQTs
- Aliases
- Nicknames

```
1 insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');
2 insert into information values ('harini','haru@gmail.com','19bec029','1u733');
3 insert into information values ('sathvika','satu@gmail.com','19bec29','satcs');
4 insert into information values ('renisha','reni@gmail.com','19bec20','res');
```

History

Script	Date	Status	Runtime
Untitled - 1	Oct 4, 2022 11:43:09 AM	✓ 4	0.179 s
insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1		✓	0.077 s
insert into information values ('harini','haru@gmail.com','19bec029','1u733		✓	0.040 s
insert into information values ('sathvika','satu@gmail.com','19bec29','satc		✓	0.019 s
insert into information values ('renisha','reni@gmail.com','19bec20','res')		✓	0.043 s

Table data

IBM Db2 on Cloud

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

MCB20916.INFORMATION

Export to CSV

USERNAME	EMAIL	roll number	PASSWORD
harini	haru@gmail.com	19bec029	1u733
lackhmi_priya	lkp@gmail.com	19bec09	1223
lackhmi_priya	lkp@gmail.com	19bec09	1223
renisha	reni@gmail.com	19bec20	res
sathvika	satu@gmail.com	19bec29	satcs

Question 2:-

Perform update,delete queries with user table:-

Queries:-

insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');

insert into information values ('harini','haru@gmail.com','19bec029','1u733');

insert into information values ('sathvika','satu@gmail.com','19bec29','satcs');

insert into information values ('renisha','reni@gmail.com','19bec20','res');

Updation and deletion query

update information set email='lk10@gmail.com' where
username='lackhmi_priya';

delete from information where username='lackhmi_priya';

The screenshot displays the IBM Db2 on Cloud web interface. On the left, the 'Data objects' panel shows a tree structure with 'Tables' expanded, listing 'INFORMATION' and 'USER'. The main area shows a script editor with the following SQL code:

```
1 insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');
2 insert into information values ('harini','haru@gmail.com','19bec029','1u733');
3 insert into information values ('sathvika','satu@gmail.com','19bec29','satcs');
4 insert into information values ('renisha','reni@gmail.com','19bec20','res');
5 update information set email='lk10@gmail.com' where username='lackhmi_priya';
6
```

Below the script editor, the 'History' tab is active, showing a table of executed scripts:

Script	Date	Status	Runtime
Untitled - 1	Oct 4, 2022 11:43:09 AM	✓ 4	0.179 s
insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');		✓	0.077 s
insert into information values ('harini','haru@gmail.com','19bec029','1u733');		✓	0.040 s
insert into information values ('sathvika','satu@gmail.com','19bec29','satcs');		✓	0.019 s
insert into information values ('renisha','reni@gmail.com','19bec20','res');		✓	0.043 s

IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fbc736aab387640918759aab2a212f9ce%3A10a9e972-c04...

IBM Db2 on Cloud

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

MCB20916.INFORMATION

Back

Export to CSV

USERNAME	EMAIL	roll number	PASSWORD
harini	haru@gmail.com	19bec029	1u733
lackhmi_priya	lk10@gmail.com	19bec09	1223
lackhmi_priya	lk10@gmail.com	19bec09	1223
renisha	reni@gmail.com	19bec20	res
sathvika	satu@gmail.com	19bec29	satcs

IBM Db2 on Cloud

SQL DELETE

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fbc736aab387640918759aab2a212f9ce%3A10a9e972-c04...

IBM Db2 on Cloud

Data objects My script

Filter objects

MCB20916

Tables

INFORMATION

USER

Views

MQTs

Aliases

Nicknames

*Untitled - 1

Beta Classic

Syntax assistant

Run selected

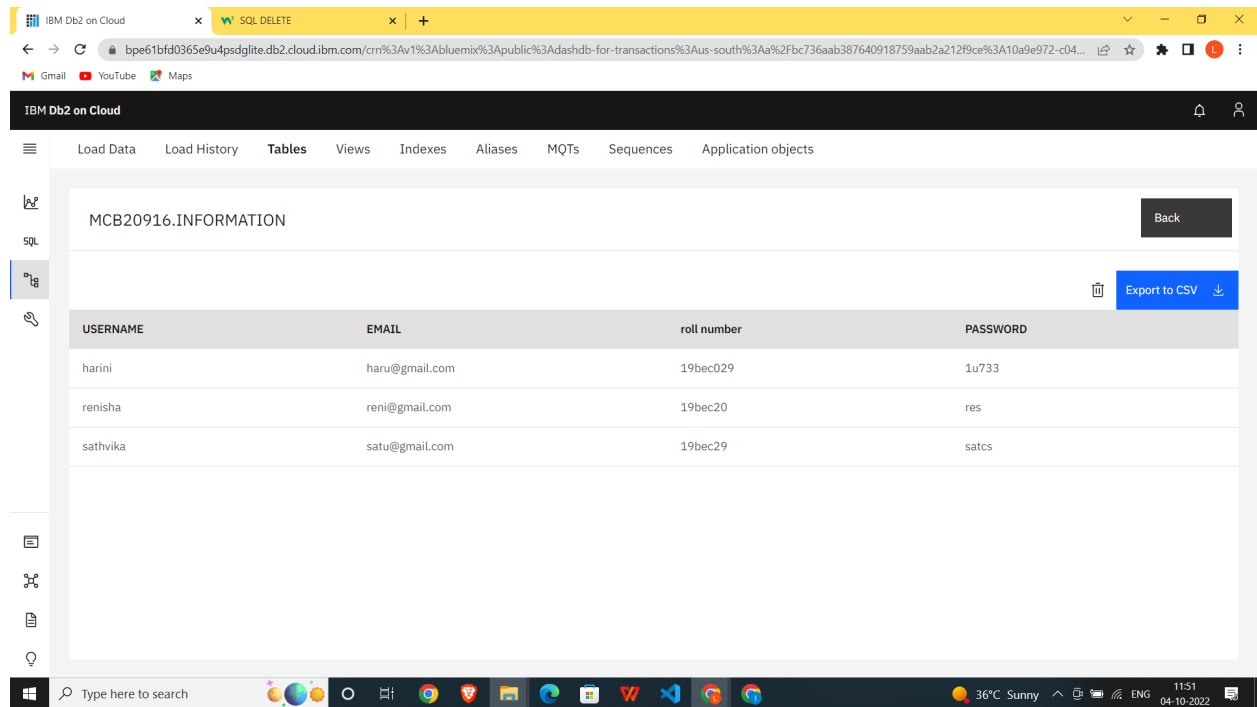
```
1 insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223');
2 insert into information values ('harini','haru@gmail.com','19bec029','1u733');
3 insert into information values ('sathvika','sat@gmail.com','19bec29','satcs');
4 insert into information values ('renisha','reni@gmail.com','19bec20','res');
5 update information set email='lk10@gmail.com' where username='lackhmi_priya';
6 delete from information where username='lackhmi_priya'
```

History

Find history

Script	Date	Status	Runtime
Untitled - 1	Oct 4, 2022 11:47:06 AM	1	0.036 s
update information set email='lk10@gmail.com' where username='lackhmi_priya'			0.036 s
Untitled - 1	Oct 4, 2022 11:43:09 AM	4	0.179 s
insert into information values ('lackhmi_priya','lkp@gmail.com','19bec09','1223')			0.077 s
insert into information values ('harini','haru@gmail.com','19bec029','1u733')			0.040 s

Output after updation and deletion query



IBM Db2 on Cloud

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

MCB20916.INFORMATION

Back

Export to CSV

USERNAME	EMAIL	roll number	PASSWORD
harini	haru@gmail.com	19bec029	1u733
renisha	reni@gmail.com	19bec20	res
sathvika	satu@gmail.com	19bec29	satcs

Question 3:-connect python code to db2

```
import ibm_db
```

```
conn=ibm_db.connect('DATABASE=bludb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-982  
2b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;Security=  
SSL;SSLServerCertificate=DigiCertGlobalRootCA
```

```
(1).crt;UID=mcb20916;PWD=iAPZMikUQf6agwXY',';')
```

```
sql="select * from information"
```

```
ibm_db.execute(stmt)
```

```
account=ibm_db.fetch_assoc(stmt)
```

```
print(account)
```

