

Assignment -2

Python

Programming

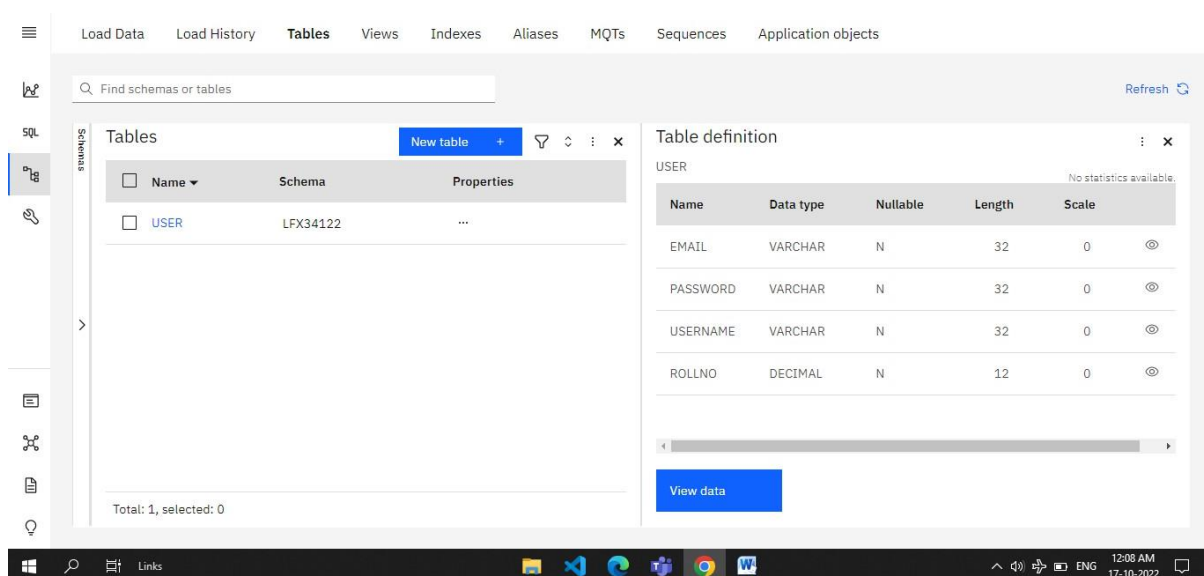
Assignment Date	23 September 2022
Student Name	Akshay Ajit
Student Roll Number	2019115013
Maximum Marks	2 Marks

Question 1:

Create User table with user with email, username, roll number, password.

Solution 1:

Question 2:



The screenshot displays a database management interface. On the left, a sidebar shows 'Schemas' and 'Tables'. The 'Tables' tab is active, showing a table named 'USER' in the 'LFX34122' schema. The 'Table definition' pane on the right shows the table structure:

Name	Data type	Nullable	Length	Scale
EMAIL	VARCHAR	N	32	0
PASSWORD	VARCHAR	N	32	0
USERNAME	VARCHAR	N	32	0
ROLLNO	DECIMAL	N	12	0

A 'View data' button is located at the bottom of the table definition pane.

Perform UPDATE, DELETE Queries with user table

Solution 2:

INSERT

INSERT INTO USER

VALUES('Vishnutheep','vishnutheep@gmail.com','vishnu',2019115123);

INSERT INTO USER VALUES('Siva','sivakumar@gmail.com','siva',2019115089);

INSERT INTO USER VALUES('Akshay','akshay@gmail.com','akshay',2019115013);

INSERT INTO USER

VALUES('Santhosh','santhosh@gmail.com','santhosh',2019115089);

The screenshot displays the IBM Db2 on Cloud console interface. On the left, a sidebar shows navigation options: Data objects, Saved objects, and a search bar for Filter objects. Below this, a tree view lists database objects: Tables, USER, Views, MQTs, Aliases, and Nicknames. The main area is divided into two panes. The top pane, titled '*Untitled - 1', contains a SQL editor with four INSERT statements for creating users. The bottom pane, titled 'History', shows a table of executed SQL statements with columns for Script, Date, Status, and Runtime.

Script	Date	Status	Runtime
Untitled - 1	Oct 31, 2022 4:37:59 PM	5	0.039 s
INSERT INTO USER VALUES('Vishnutheep', 'vishnutheep@gmail.com', 'vishnu', 2019115123);			0.007 s
INSERT INTO USER VALUES('Siva', 'sivakumar@gmail.com', 'siva', 2019115089);			0.014 s
INSERT INTO USER VALUES('Akshay', 'akshay@gmail.com', 'akshay', 2019115013);			0.006 s
INSERT INTO USER VALUES('Santhosh', 'santhosh@gmail.com', 'santhosh', 2019115089);			0.006 s

Output:

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

QNV09796.USER

Back

Export to CSV

EMAIL	PASSWORD	USERNAME	ROLLNO
akshay@gmail.com	12355	akshay	2019115013
santhosh@gmail.com	22345	santhosh	2019115089
siva@gmail.com	12345	siva	2019115098
vishnu@gmail.com	12344	vishnu	2019115123

UPDATE

```
update user set email=akshay@gmail.com' where rollno=2019115013
```

Output:

SQL

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

QNV09796.USER

Back

Export to CSV

EMAIL	PASSWORD	USERNAME	ROLLNO
akshay@gmail.com	12355	akshay	2019115013
santhosh@gmail.com	22345	santhosh	2019115089
siva@gmail.com	12345	siva	2019115098
vishnutheep@gmail.com	12344	vishnu	2019115123

DELETE

delete from user where rollno = 2019115013

OUTPUT:

Question 3:

Connect python code to db2.

Solution 3:

```
from flask import Flask, render_template, request, redirect, url_for,
sessionimport ibm_db

app = Flask(_name_)

app.secret_key =

'a'

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=SSL;
SSLSe rverCertificate=DigiCertGlobalRootCA.crt;UID=lfx34122;PWD=jmQDS9wCaxqRIlQd",",")

if(conn):

    print("CONNECTED SUCCESSFULLY")

    print("Connection : "+str(conn))

    sql="SELECT * FROM USER WHERE rollno=2019115013"
```

```
email="akshay@gmail.com"stmt =  
ibm_db.prepare(conn,sql)  
ibm_db.execute(stmt)  
acc =  
ibm_db.fetch_assoc(stmt)if  
acc:  
    print(acc)  
if __name__=='_main':  
    app.run()
```

