

Assignment -2

Python Programming

Assignment Date	23 September 2022
Student Name	Vishnutheep B
Student Roll Number	2019115123
Maximum Marks	2 Marks

Question 1:

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

Solution 1:

Question 2:

The screenshot shows a database management interface. On the left, a sidebar contains icons for various database operations. The main area is divided into two panels. The left panel, titled 'Tables', shows a list of tables with columns 'Name', 'Schema', and 'Properties'. A table named 'USER' is listed under the 'LFX34122' schema. The right panel, titled 'Table definition', shows the structure of the 'USER' table. It has five columns: 'Name', 'Data type', 'Nullable', 'Length', and 'Scale'. The rows are: 'EMAIL' (VARCHAR, N, 32, 0), 'PASSWORD' (VARCHAR, N, 32, 0), 'USERNAME' (VARCHAR, N, 32, 0), and 'ROLLNO' (DECIMAL, N, 12, 0). A 'View data' button is at the bottom of the right panel. The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 12:08 AM on 17-10-2022.

Perform UPDATE, DELETE Queries with user table

Solution 2:

INSERT

INSERT INTO USER

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

;

INSERT INTO USER

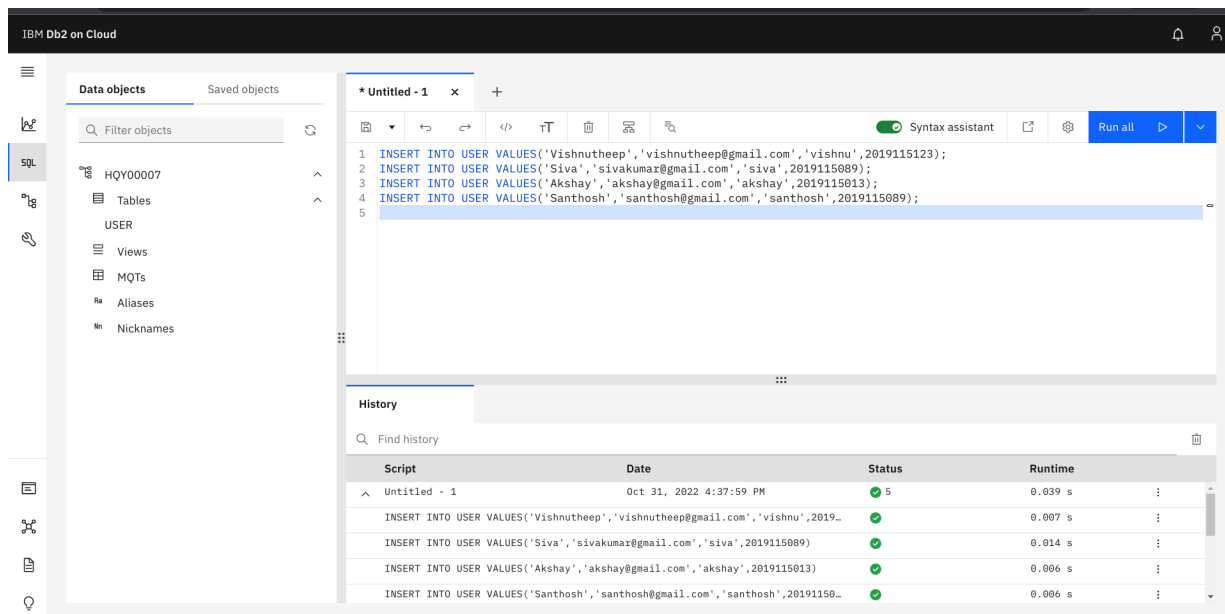
VALUES('Siva','sivakumar@gmail.com','siva',2019115089);

INSERT INTO USER

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

INSERT INTO USER

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



Output:

The screenshot shows the IBM Db2 on Cloud SQL editor interface displaying the output of the INSERT statements. The table is titled 'QNV09796.USER' and contains four rows of data. The columns are EMAIL, PASSWORD, USERNAME, and ROLLNO. There is a 'Back' button and an 'Export to CSV' button in the top right corner.

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='vishnutheep@gmail.com' where rollno=2019115124

Output:

SQL

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

QNV09796.USER				Back
				<div><div></div>Export to CSV <div></div></div>
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 = 2019115123

OUTPUT:

SQL

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Application objects

QNV09796.USER				Back
				<div><div></div>Export to CSV <div></div></div>
EMAIL	PASSWORD	USERNAME	ROLLNO	
akshay@gmail.com	12355	akshay	2019115013	
santhosh@gmail.com	22345	santhosh	2019115089	
siva@gmail.com	12345	siva	2019115098	

Question 3:

Connect python code to db2.

Solution 3:

```
from flask import Flask, render_template, request, redirect,
url_for, session import 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;S
ECURITY=SSL;SSLSe
rverCertificate=DigiCertGlobalRootCA.crt;UID=lfx34122;PWD=jmQDS9wCaxqRIIQ
d", "", "")

if(conn):

    print("CONNECTED SUCCESSFULLY")

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

    sql="SELECT * FROM USER WHERE rollno=2019115123

    email="vishnutheep@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()
```