

## ASSIGNMENT-2

DATE	29 SEPTEMBER 2022
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MARKS	2

### 1. CREATE USER TABLE WITH ROLLNO,USERNAME,EMAIL,PASSWORD

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The main window displays an SQL statement for inserting a new user into a table. The statement is as follows:

```

1 INSERT
2 INTO "HPN19377"."REG" ("ROLLNO","USERNAME","EMAIL","PASSWORD")
3 VALUES(
4 102, --ROLLNO INTEGER
5 'SAHA', --USERNAME CHAR(5)
6 'saha@gmail.com', --EMAIL CHAR(5)
7 'saha' --PASSWORD CHAR(5)
8 );
9

```

Below the editor, there is a 'History' section with a table that has columns: Script, Date, Status, and Runtime. The table is currently empty.

### 2.PERFORM UPDATE AND DELETE QUERIES:

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The main window displays an SQL statement for updating a user's details. The statement is as follows:

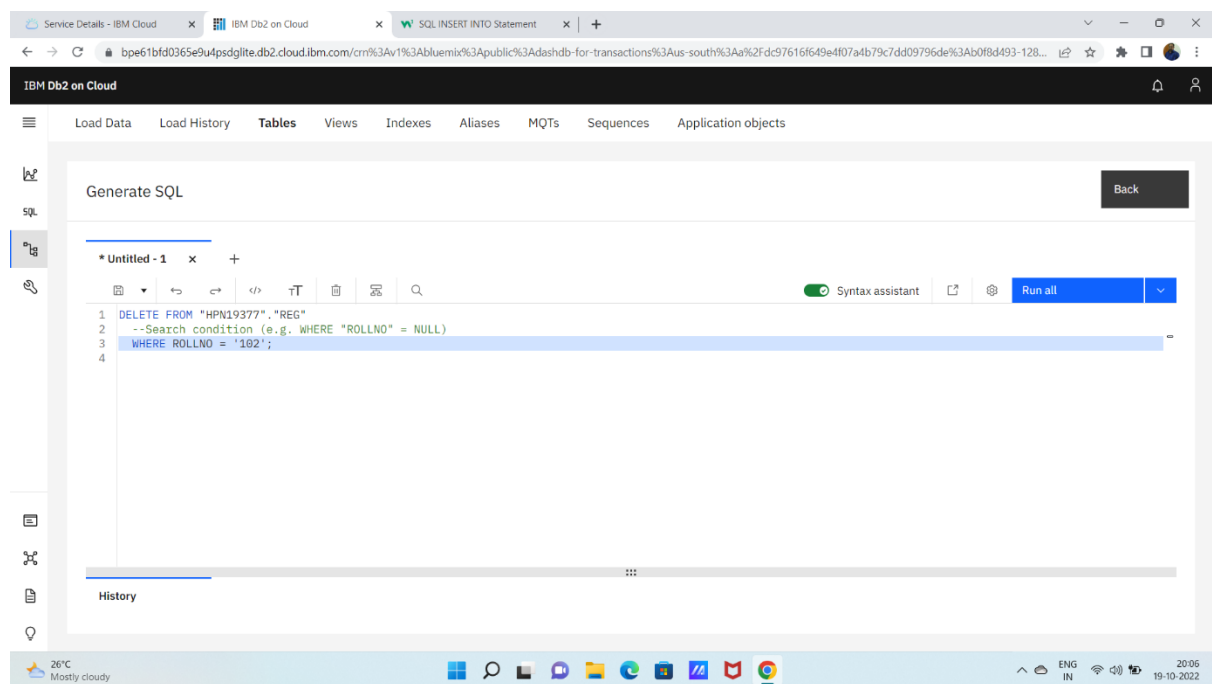
```

1 UPDATE "HPN19377"."REG"
2 SET
3 "ROLLNO" = 102, --ROLLNO INTEGER
4 "USERNAME" = "pirai", --USERNAME CHAR(5)
5 "EMAIL" = "pirai@gmail.com", --EMAIL CHAR(5)
6 "PASSWORD" = "pirai21", --PASSWORD CHAR(5)
7 --Search condition (e.g. WHERE "ROLLNO" = NULL)
8 WHERE 1 = 1;
9

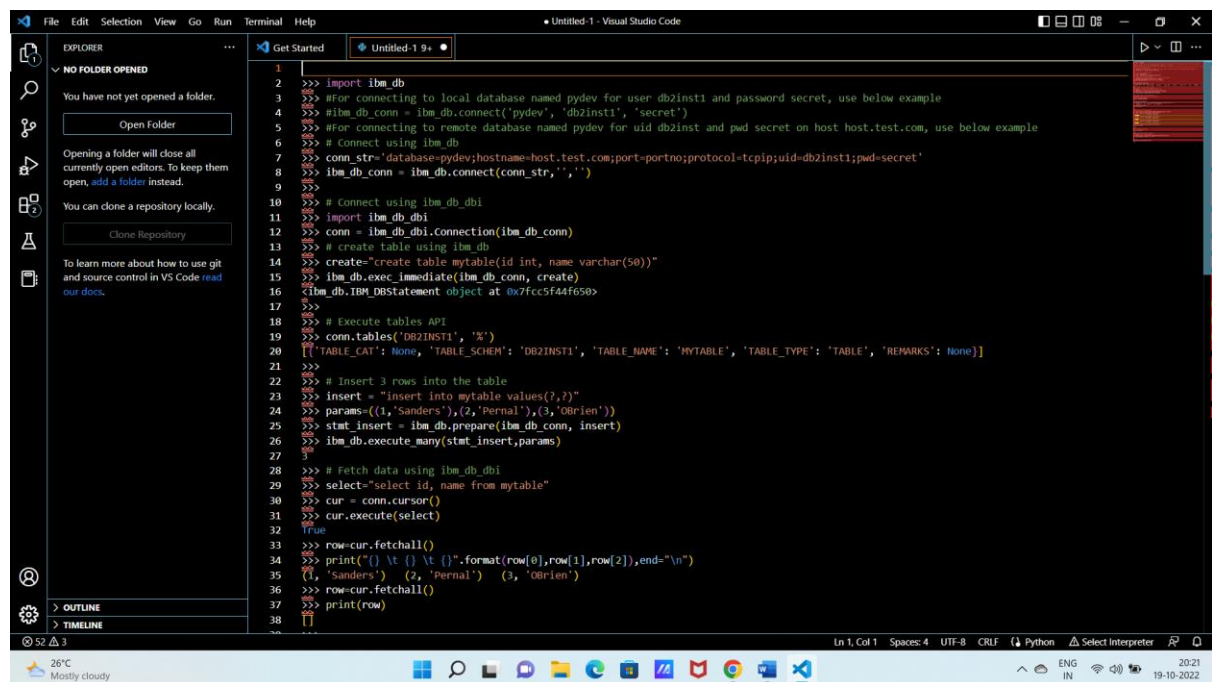
```

Below the editor, there is a 'History' section with a table that has columns: Script, Date, Status, and Runtime. The table is currently empty.

## DELETE:



## 3.CONNECT PYTHON TO DB2:



The screenshot shows the Visual Studio Code interface with a Python file named 'Untitled-1 9+'. The code is a Jupyter-style notebook snippet that connects to an IBM DB, creates a cursor, and executes a SQL query to select data from a table named 'mytable'. The results are printed in a formatted table. The code includes comments and error handling.

```
29 >>> select="select id, name from mytable"
30 >>> cur = conn.cursor()
31 >>> cur.execute(select)
32 >>> True
33 >>> row=cur.fetchall()
34 >>> print("{} \t {} \t {}".format(row[0],row[1],row[2]),end="\n")
35 (1, 'Sanders') (2, 'Pernal') (3, 'O'Brien')
36 >>> row=cur.fetchall()
37 >>> print(row)
38 []
39 >>>
40 >>> # Fetch data using ibm_db
41 >>> stmt_select = ibm_db.exec_immediate(ibm_db_conn, select)
42 >>> cols = ibm_db.fetch_tuple( stmt_select )
43 >>> print("%s, %s" % (cols[0], cols[1]))
44 1, Sanders
45 >>> cols = ibm_db.fetch_tuple( stmt_select )
46 >>> print("%s, %s" % (cols[0], cols[1]))
47 2, Pernal
48 >>> cols = ibm_db.fetch_tuple( stmt_select )
49 >>> print("%s, %s" % (cols[0], cols[1]))
50 3, O'Brien
51 >>> cols = ibm_db.fetch_tuple( stmt_select )
52 >>> print(cols)
53 False
54 >>>
55 >>> # Close connections
56 >>> cur.close()
57 >>> True
58 >>> # Dropping the table created
59 >>> drop = "drop table mytable"
60 >>> stmt_delete = ibm_db.exec_immediate(ibm_db_conn,drop)
61 >>> conn.tables('DB2INST1','MY%')
62 []
63 >>>
64 >>> ibm_db.close(ibm_db_conn)
65 >>> True
```

#### 4.CREATE FLASK APP WITH REGISTRATION PAGE ,LOGIN PAGE,WELCOME PAGE

The screenshot shows the Visual Studio Code interface with a Flask application file named 'app.py'. The code imports Flask, MySQLdb, and other necessary modules. It configures the application with a secret key and database connection details. The code also includes a basic HTML template for the application's layout.

```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 from flask_mysql import MySQL
3 import MySQLdb.cursors
4 import re
5 app = Flask(__name__)
6
7 # Change this to your secret key (can be anything, it's for extra protection)
8 app.secret_key = 'your secret key'
9
10 # Enter your database connection details below
11 app.config['MYSQL_HOST'] = 'localhost'
12 app.config['MYSQL_USER'] = 'root'
13 app.config['MYSQL_PASSWORD'] = ''
14 app.config['MYSQL_DB'] = 'pythonlogin'
15
16 # Initialize MySQL
17 mysql = MySQL(app)
18 <<DOCTYPE html>
19 <html>
20 <head>
21 <meta name="viewport" content="width=device-width, initial-scale=1">
22 <style>
23 Body {
24 font-family: Arial, Helvetica, sans-serif;
25 background-color: black;
26 }
27
28 *
```

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File | C:/Users/moham/OneDrive/Desktop/IBM/reg.html

## Register

Please fill in this form to create an account.

**Name**

SAHA

**Email**

saha@gmail.com

**Password**

....

**Rollno**

...

Register

Already have an account? [Sign in.](#)

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## Login Form

Avatar

**Username**

SAHA

**Password**

....

Login

☒ Remember me

Cancel

Forgot [password?](#)

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