

ASSIGNMENT-2

DATE	29 SEPTEMBER 2022
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MARKS	2 marks

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

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main area is titled 'Generate SQL' and contains a code editor with the following SQL statement:

```
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 code editor is a 'History' section with a table that has columns 'Script', 'Date', 'Status', and 'Runtime'. The table is currently empty. The bottom status bar shows '26°C Mostly cloudy' and the time '19:59 19-10-2022'.

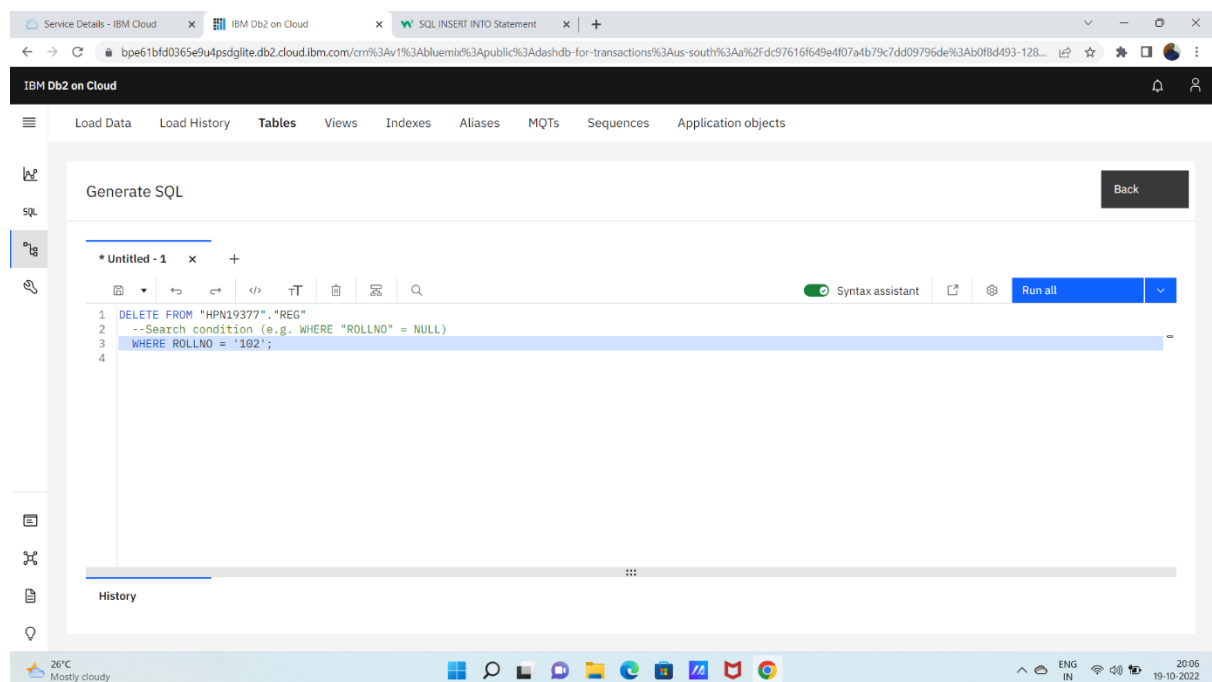
2.PERFORM UPDATE AND DELETE QUERIES:

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main area is titled 'Generate SQL' and contains a code editor with the following SQL statement:

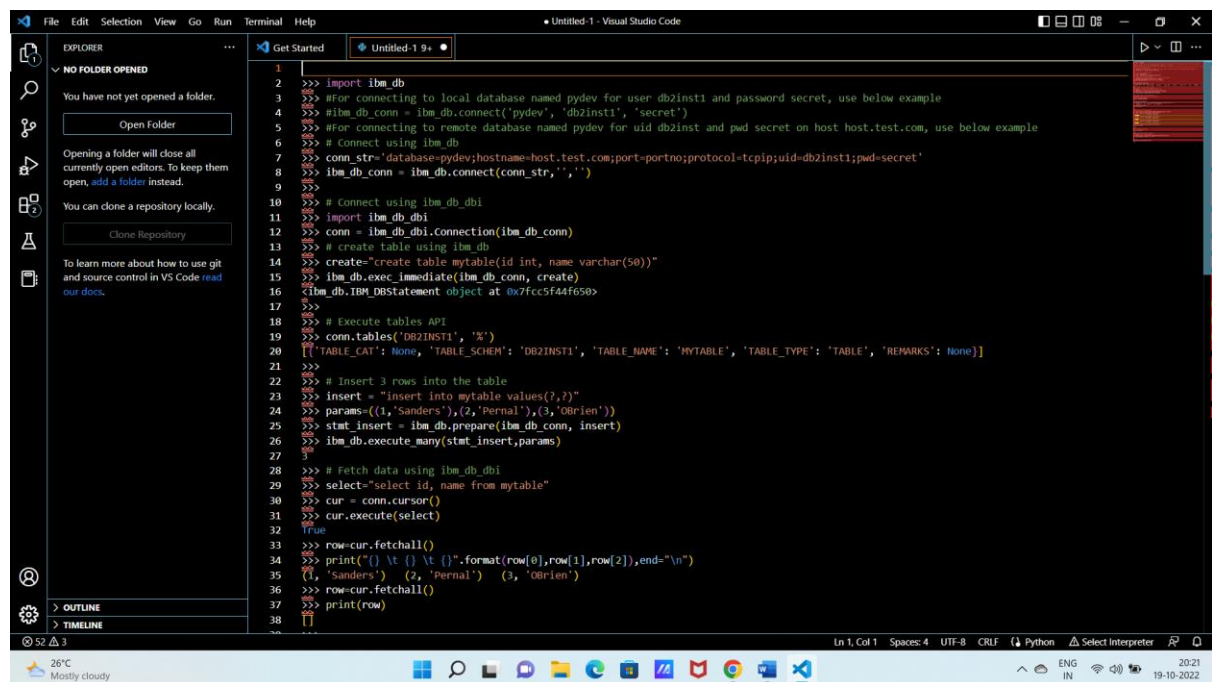
```
1 UPDATE "HPN19377"."REG"
2 SET
3 "ROLLNO" = 102, --ROLLNO INTEGER
4 "USERNAME" = "pirai", --USERNAME CHAR(5)
5 "EMAIL" = "pirai@gmail.com", --EMAIL CHAR(5)
6 "PASSWORD" = "pirai21", --PASSWORD CHAR(5)
7 --Search condition (e.g. WHERE "ROLLNO" = NULL)
8 WHERE 1 = 1;
9
```

Below the code editor is a 'History' section with a table that has columns 'Script', 'Date', 'Status', and 'Runtime'. The table is currently empty. The bottom status bar shows '26°C Mostly cloudy' and the time '20:05 19-10-2022'.

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 script that connects to an IBM DB, creates a table, inserts data, and queries it. The Explorer panel on the left shows 'NO FOLDER OPENED'. The status bar at the bottom indicates 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', and 'Select Interpreter'.

```
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, 'OBrien')
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, OBrien
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. The Explorer panel on the left shows 'NO FOLDER OPENED'. The main editor shows a Python file named 'app.py' and an HTML file named 'login.html'. The Python code configures the Flask app with a MySQL database connection. The HTML code is a simple login form template.

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

Login Form

Avatar

Username

SAHA

Password

....

Login

☒ Remember me

Cancel

Forgot [password?](#)

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