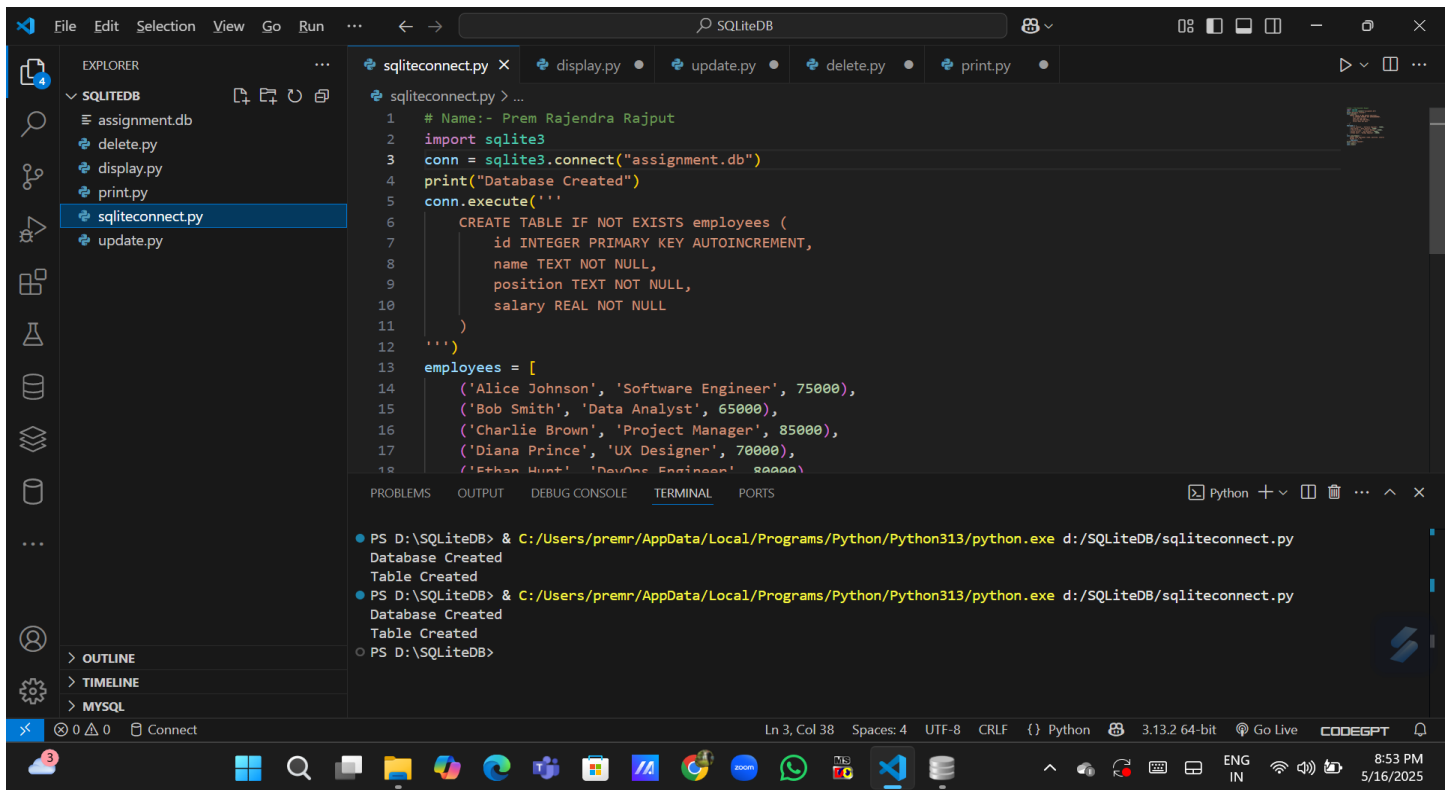


Practical No.7

Connect.py

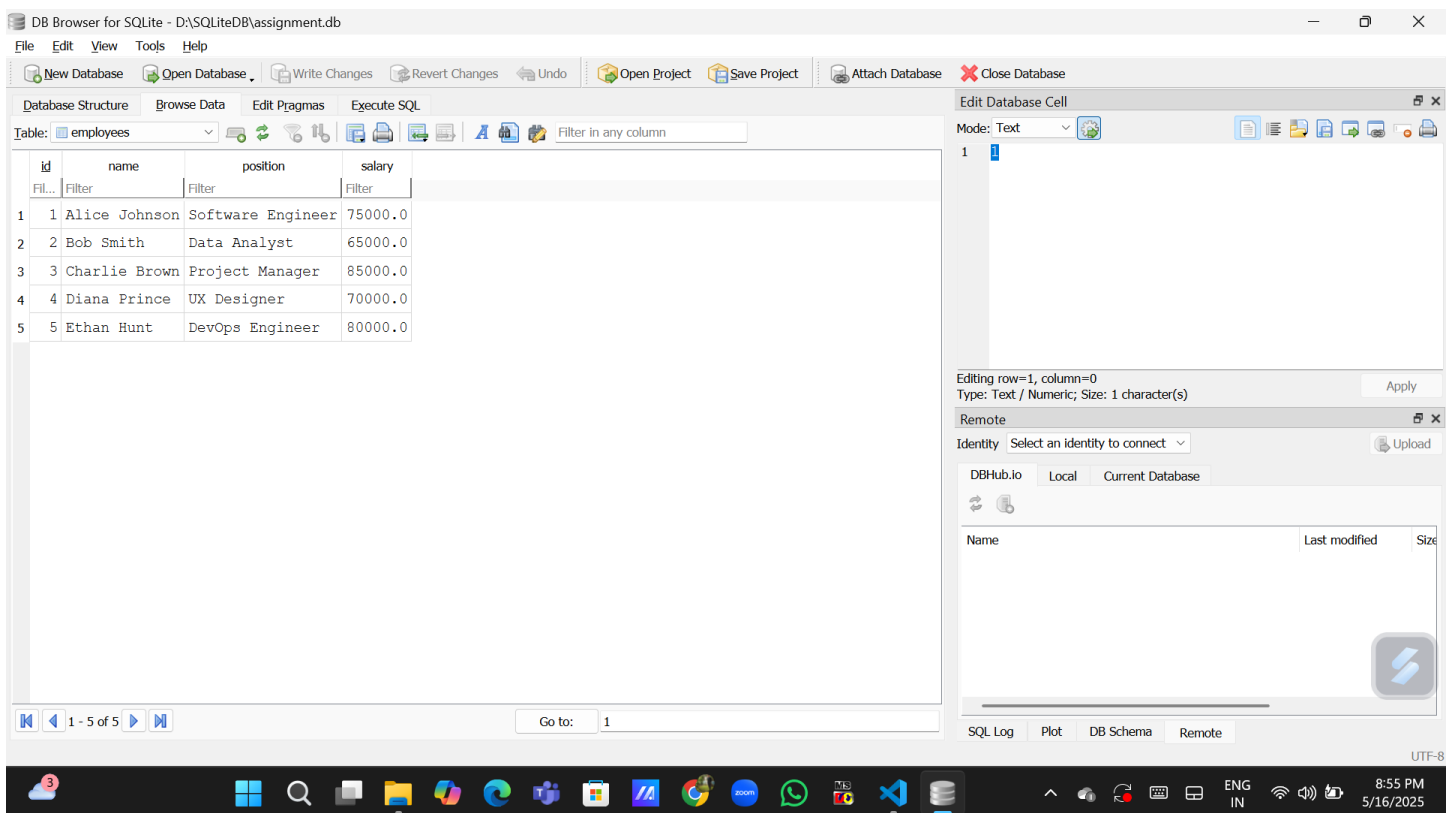


The screenshot shows a VS Code editor with a file explorer on the left containing a folder named 'SQLITEDB' with files: 'assignment.db', 'delete.py', 'display.py', 'print.py', 'sqliteconnect.py', and 'update.py'. The main editor displays the code in 'sqliteconnect.py':

```
1 # Name:- Prem Rajendra Rajput
2 import sqlite3
3 conn = sqlite3.connect("assignment.db")
4 print("Database Created")
5 conn.execute('''
6     CREATE TABLE IF NOT EXISTS employees (
7         id INTEGER PRIMARY KEY AUTOINCREMENT,
8         name TEXT NOT NULL,
9         position TEXT NOT NULL,
10        salary REAL NOT NULL
11    )
12 ''')
13 employees = [
14     ('Alice Johnson', 'Software Engineer', 75000),
15     ('Bob Smith', 'Data Analyst', 65000),
16     ('Charlie Brown', 'Project Manager', 85000),
17     ('Diana Prince', 'UX Designer', 70000),
18     ('Ethan Hunt', 'DevOps Engineer', 80000)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS D:\SQLiteDB> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDB/sqliteconnect.py
Database Created
Table Created
PS D:\SQLiteDB> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDB/sqliteconnect.py
Database Created
Table Created
PS D:\SQLiteDB>
```

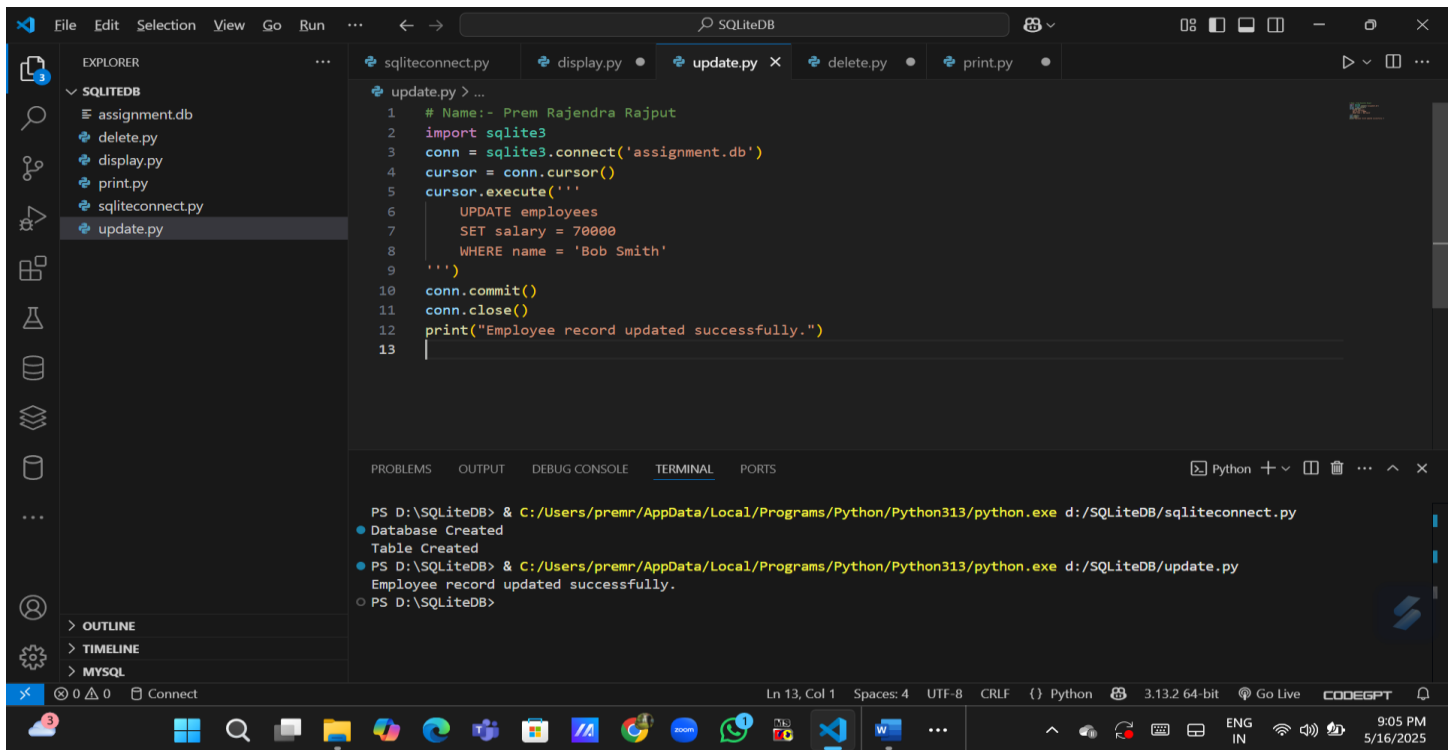


The screenshot shows the DB Browser for SQLite application. The 'Database Structure' tab is active, showing the 'employees' table with the following data:

id	name	position	salary
1	Alice Johnson	Software Engineer	75000.0
2	Bob Smith	Data Analyst	65000.0
3	Charlie Brown	Project Manager	85000.0
4	Diana Prince	UX Designer	70000.0
5	Ethan Hunt	DevOps Engineer	80000.0

The 'Edit Database Cell' panel on the right shows the 'Mode: Text' editor with the first row selected. The 'Remote' panel shows the 'DBHub.io' connection settings.

Update.py

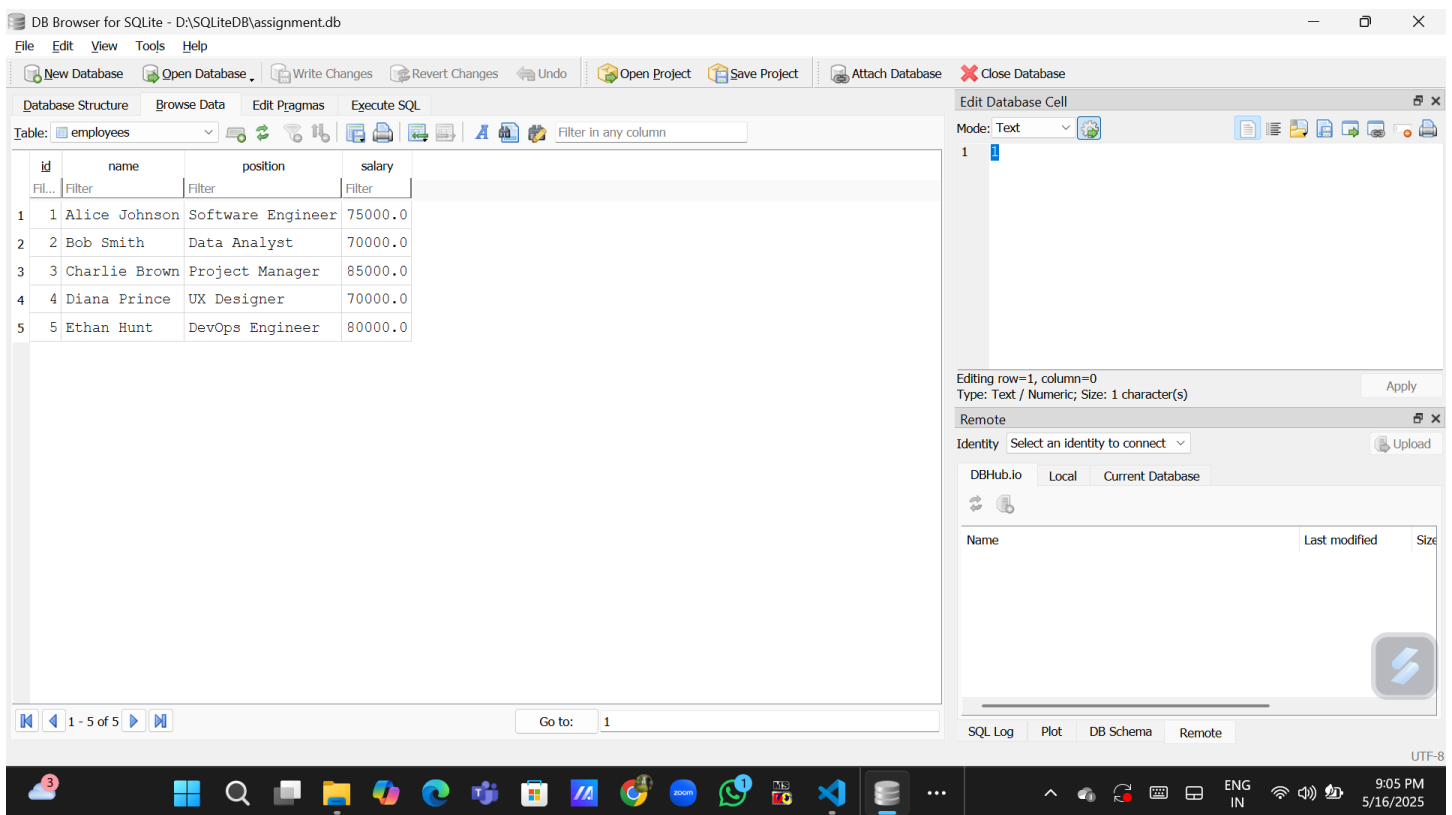


The screenshot shows the Visual Studio Code editor with a project named 'SQLiteDatabase'. The Explorer sidebar on the left lists files: assignment.db, delete.py, display.py, print.py, sqliteconnect.py, and update.py. The main editor window displays the contents of 'update.py'.

```
1 # Name:- Prem Rajendra Rajput
2 import sqlite3
3 conn = sqlite3.connect('assignment.db')
4 cursor = conn.cursor()
5 cursor.execute('''
6     UPDATE employees
7     SET salary = 70000
8     WHERE name = 'Bob Smith'
9 ''')
10 conn.commit()
11 conn.close()
12 print("Employee record updated successfully.")
13
```

Below the editor, the TERMINAL pane shows the command prompt output:

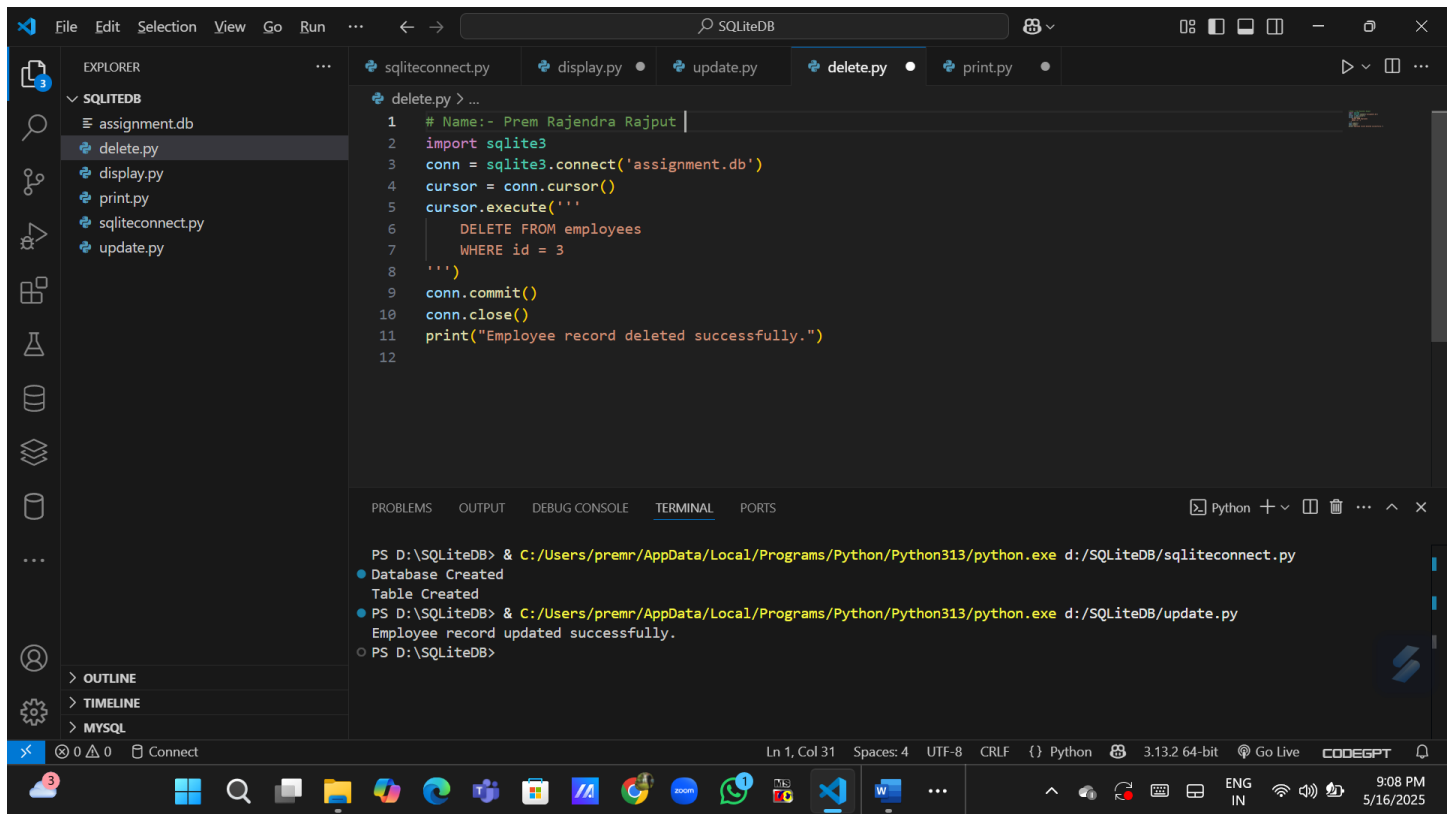
```
PS D:\SQLiteDatabase> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDatabase/sqliteconnect.py
Database Created
Table Created
PS D:\SQLiteDatabase> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDatabase/update.py
Employee record updated successfully.
PS D:\SQLiteDatabase>
```



The screenshot shows the DB Browser for SQLite application. The 'Table: employees' is selected, and the 'Table Data' tab is active. The table contains 5 rows of data. The 'Edit Database Cell' pane on the right is open, showing the 'Text' mode for editing the first cell.

id	name	position	salary
1	Alice Johnson	Software Engineer	75000.0
2	Bob Smith	Data Analyst	70000.0
3	Charlie Brown	Project Manager	85000.0
4	Diana Prince	UX Designer	70000.0
5	Ethan Hunt	DevOps Engineer	80000.0

Delete.py

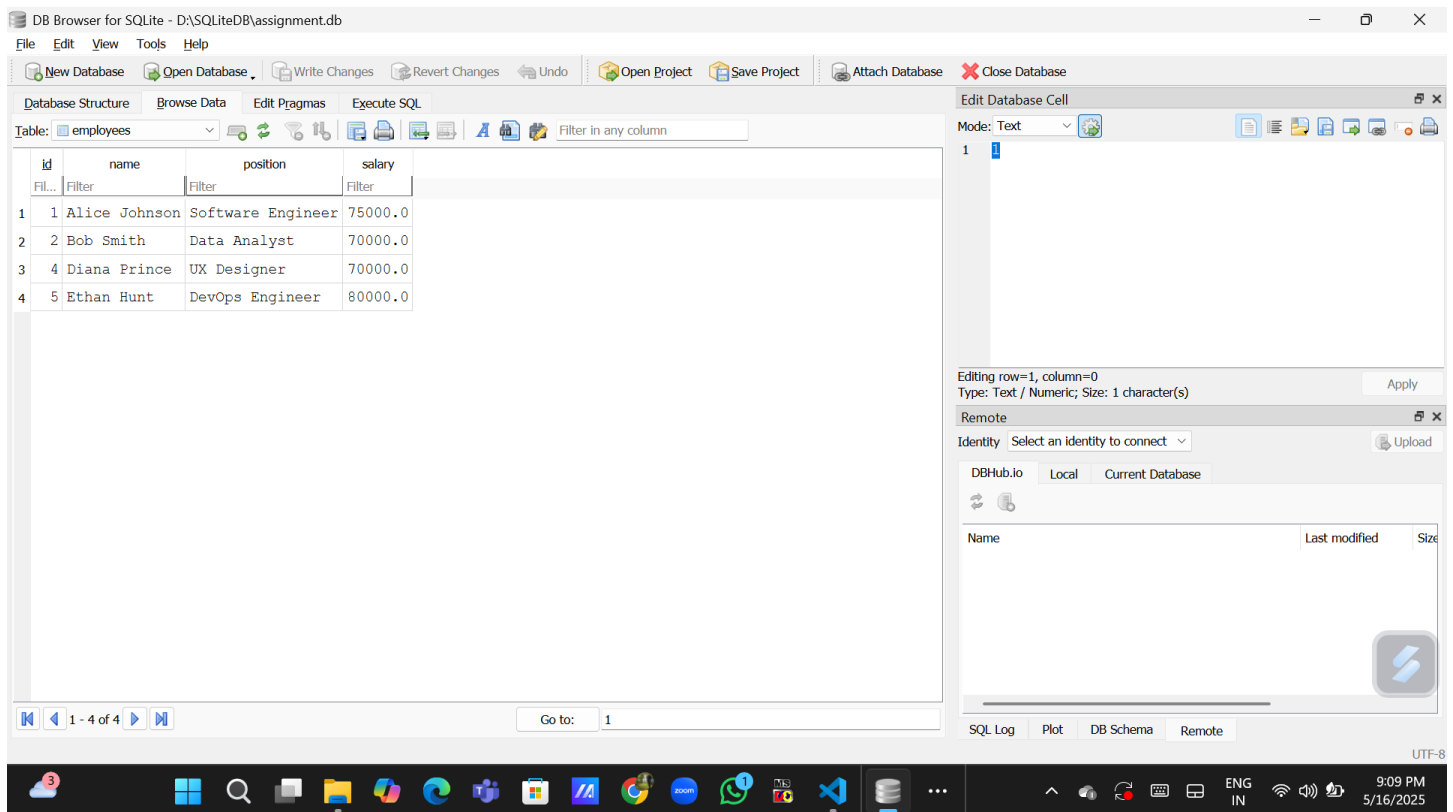


The screenshot shows a VS Code editor with a file explorer on the left containing a project named 'SQLITEDB' with files: assignment.db, delete.py, display.py, print.py, sqliteconnect.py, and update.py. The main editor displays the content of 'delete.py':

```
1 # Name:- Prem Rajendra Rajput
2 import sqlite3
3 conn = sqlite3.connect('assignment.db')
4 cursor = conn.cursor()
5 cursor.execute('''
6     DELETE FROM employees
7     WHERE id = 3
8 ''')
9 conn.commit()
10 conn.close()
11 print("Employee record deleted successfully.")
12
```

The terminal at the bottom shows the execution of the script:

```
PS D:\SQLiteDB> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDB/sqliteconnect.py
Database Created
Table Created
PS D:\SQLiteDB> & C:/Users/premr/AppData/Local/Programs/Python/Python313/python.exe d:/SQLiteDB/update.py
Employee record updated successfully.
PS D:\SQLiteDB>
```

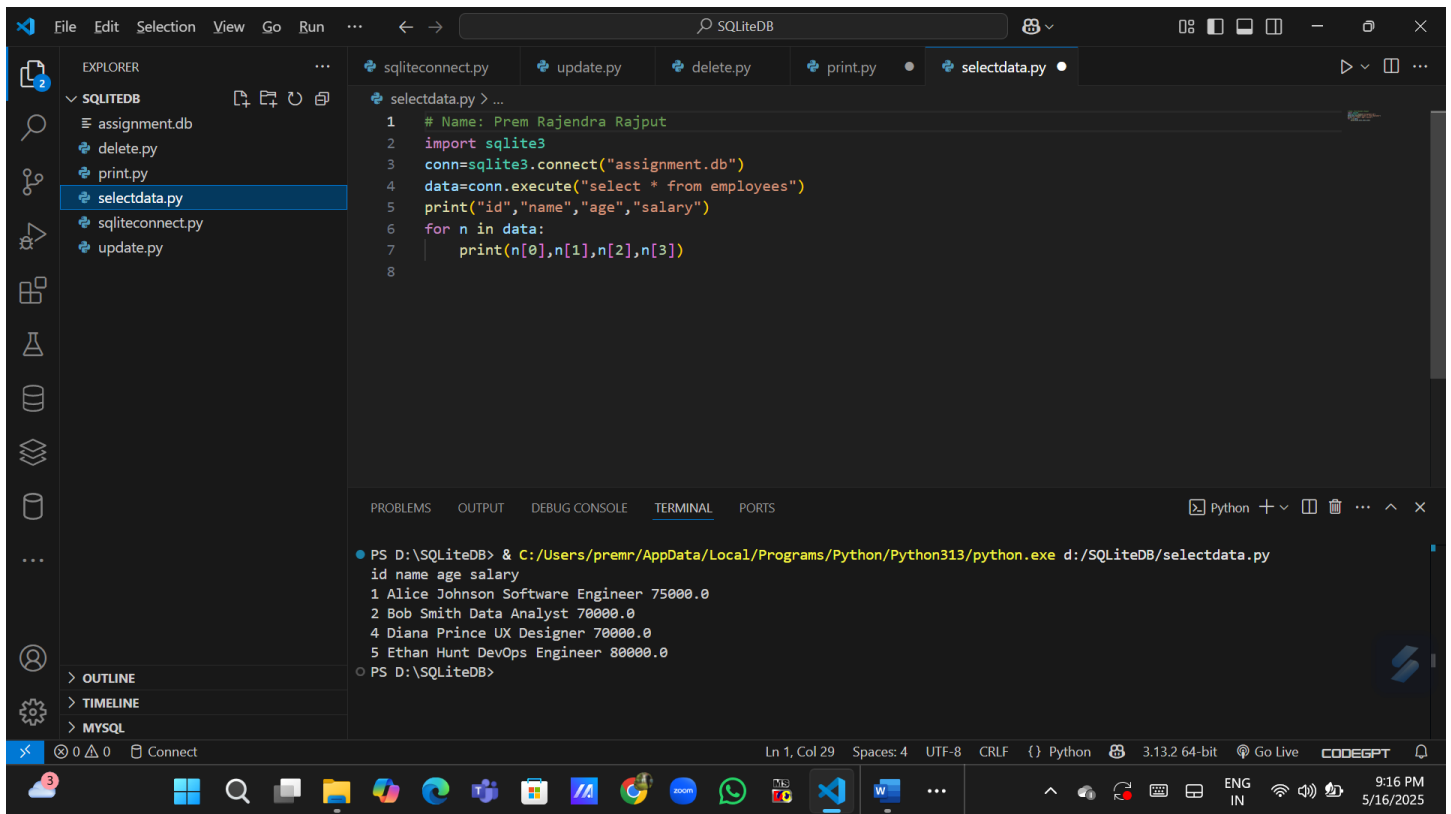


The screenshot shows the DB Browser for SQLite application. The 'Table: employees' is selected, and the data is displayed in a table. The table has columns: id, name, position, and salary. The data is as follows:

id	name	position	salary
1	Alice Johnson	Software Engineer	75000.0
2	Bob Smith	Data Analyst	70000.0
3	Diana Prince	UX Designer	70000.0
4	Ethan Hunt	DevOps Engineer	80000.0

The application also shows a 'Remote' section with a table of databases, including 'Current Database'.

SelectData.py



```
1 # Name: Prem Rajendra Rajput
2 import sqlite3
3 conn=sqlite3.connect("assignment.db")
4 data=conn.execute("select * from employees")
5 print("id","name","age","salary")
6 for n in data:
7     print(n[0],n[1],n[2],n[3])
8
```

PS D:\SQLiteDB> & C:\Users\premr\AppData\Local\Programs\Python\Python313\python.exe d:\SQLiteDB\selectdata.py

id name age salary

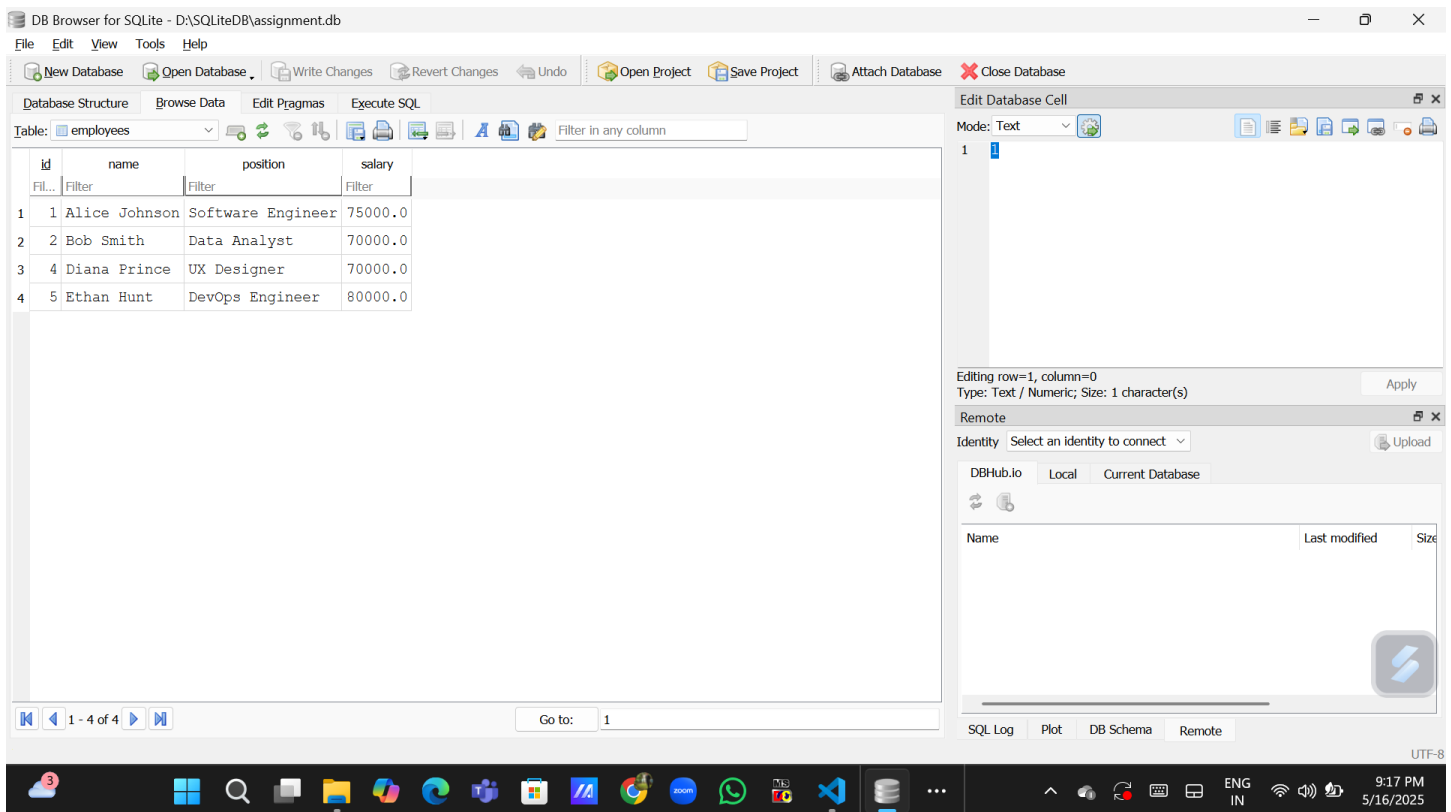
1 Alice Johnson Software Engineer 75000.0

2 Bob Smith Data Analyst 70000.0

4 Diana Prince UX Designer 70000.0

5 Ethan Hunt DevOps Engineer 80000.0

PS D:\SQLiteDB>



DB Browser for SQLite - D:\SQLiteDB\assignment.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

Table: employees

id	name	position	salary
1	Alice Johnson	Software Engineer	75000.0
2	Bob Smith	Data Analyst	70000.0
3	Diana Prince	UX Designer	70000.0
4	Ethan Hunt	DevOps Engineer	80000.0

Go to: 1

Editing row=1, column=0

Type: Text / Numeric; Size: 1 character(s)

Remote

Identity Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

SQL Log Plot DB Schema Remote

UTF-8