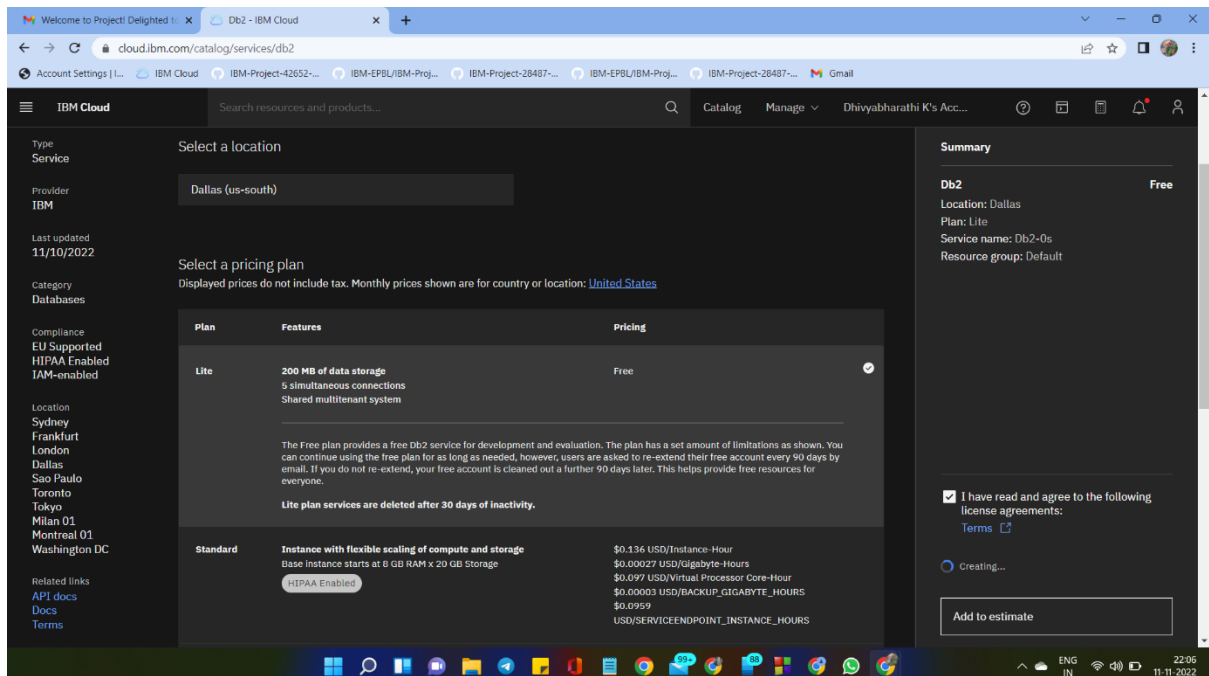
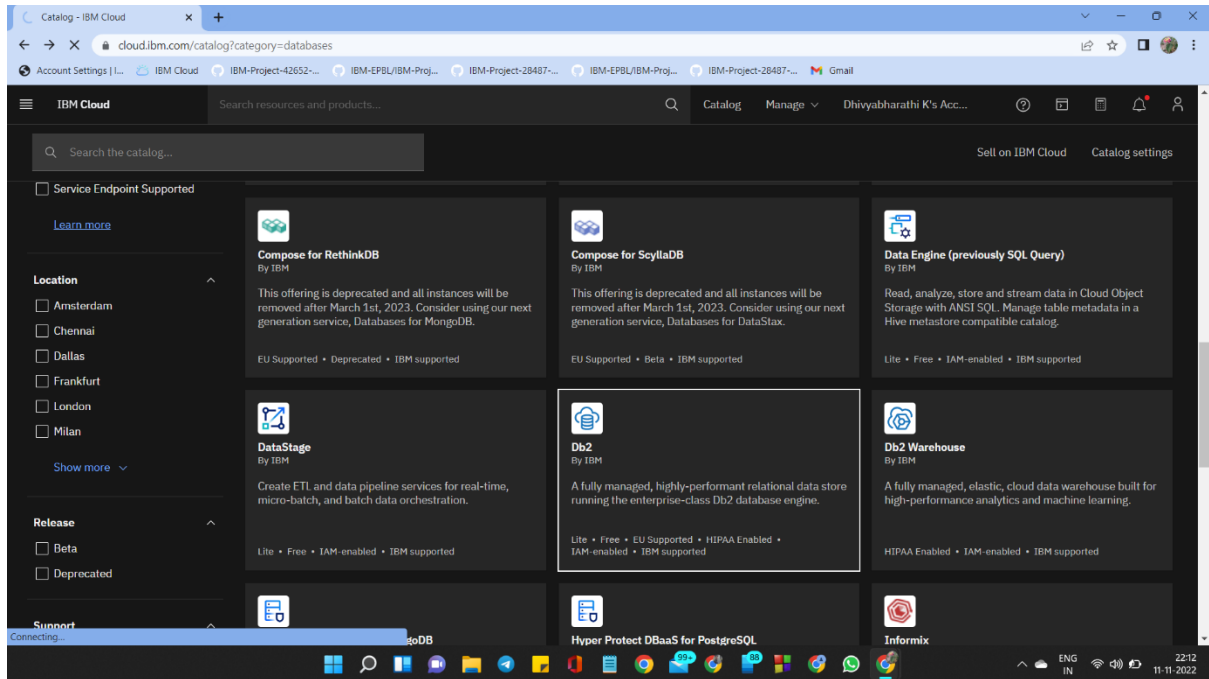
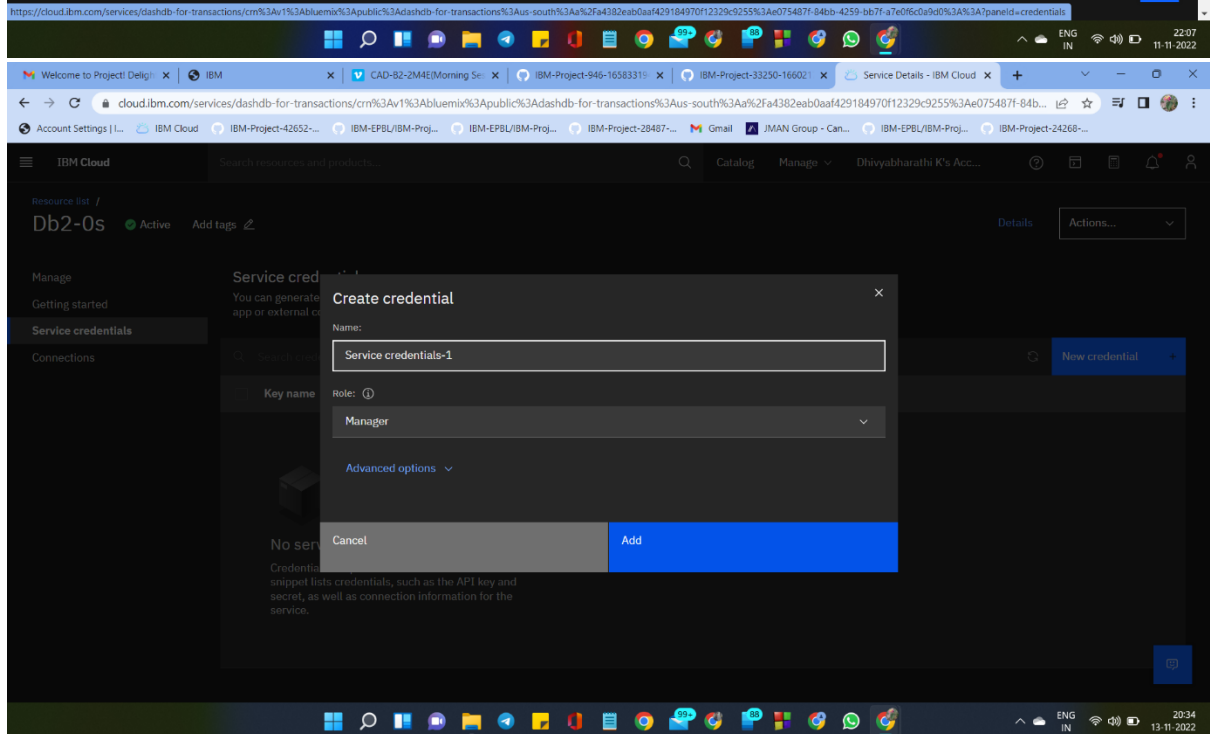
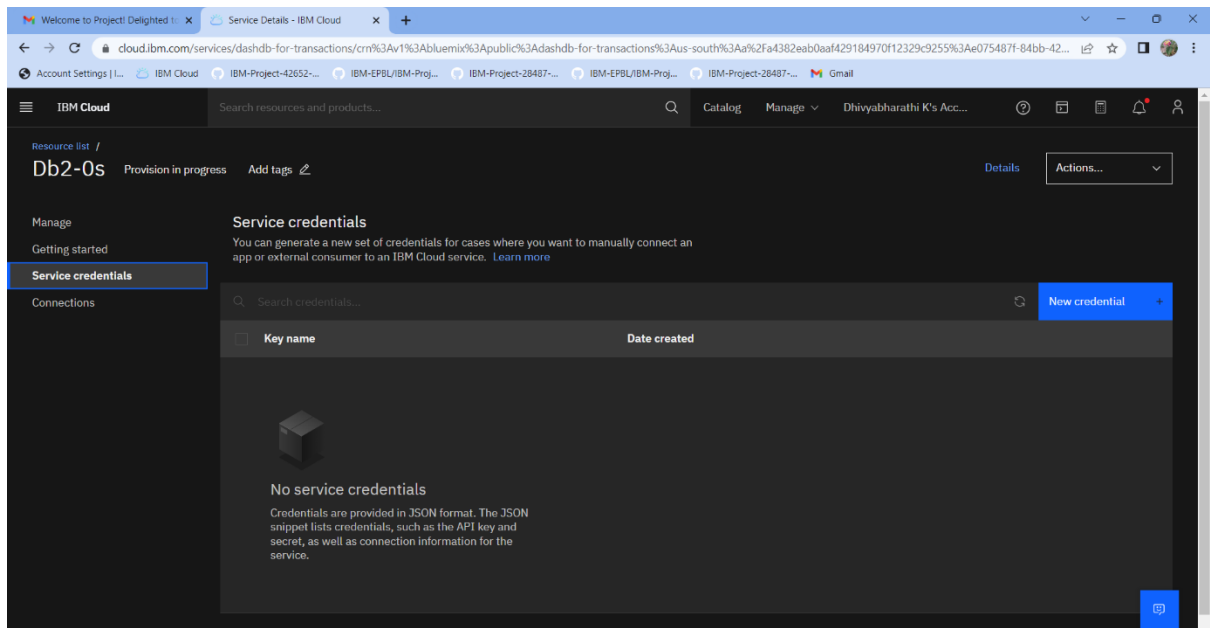


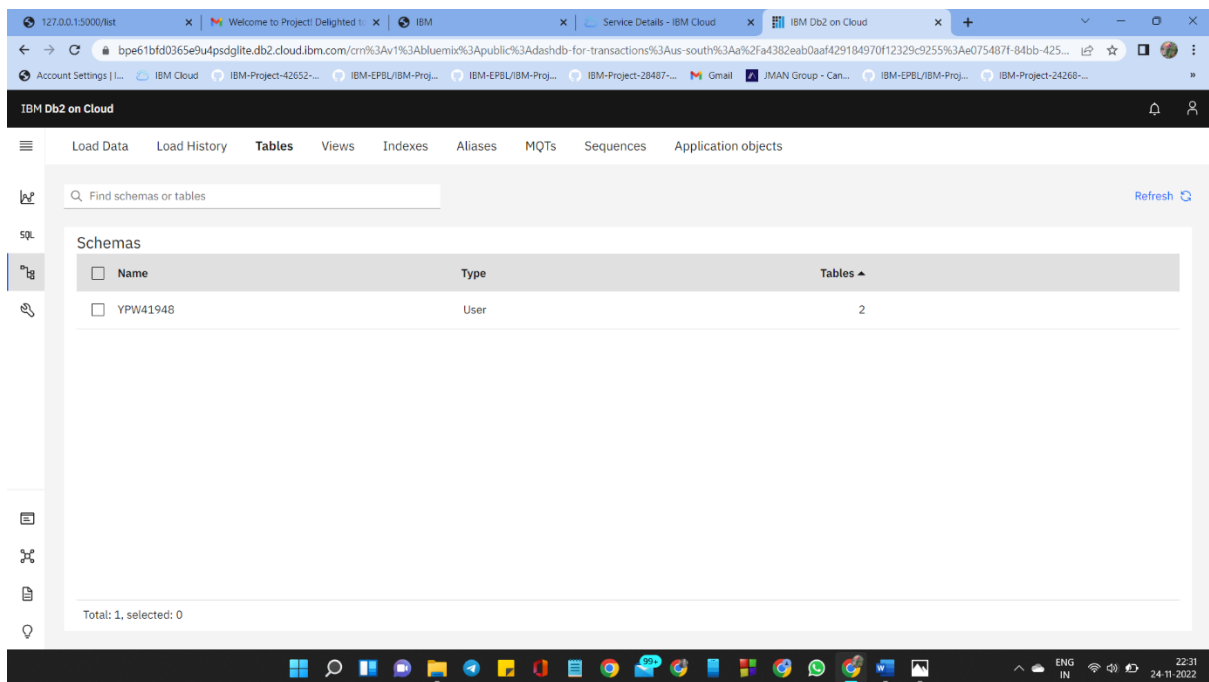
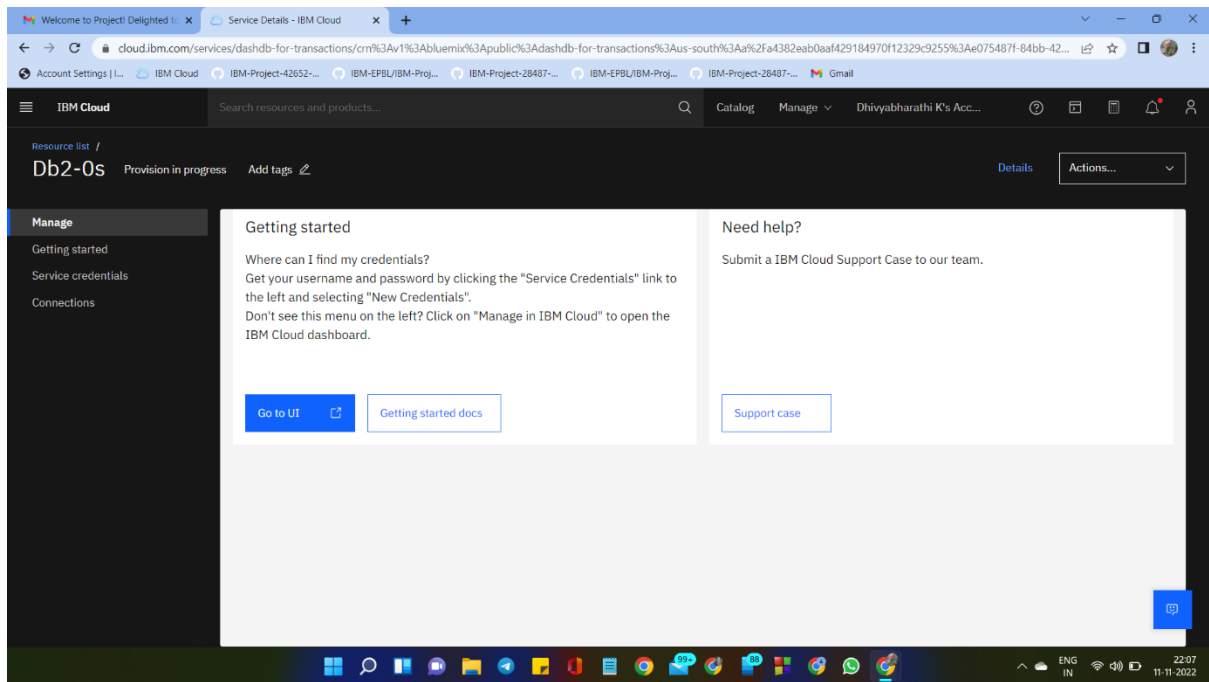
IBM DB2 IN IBM CLOUD

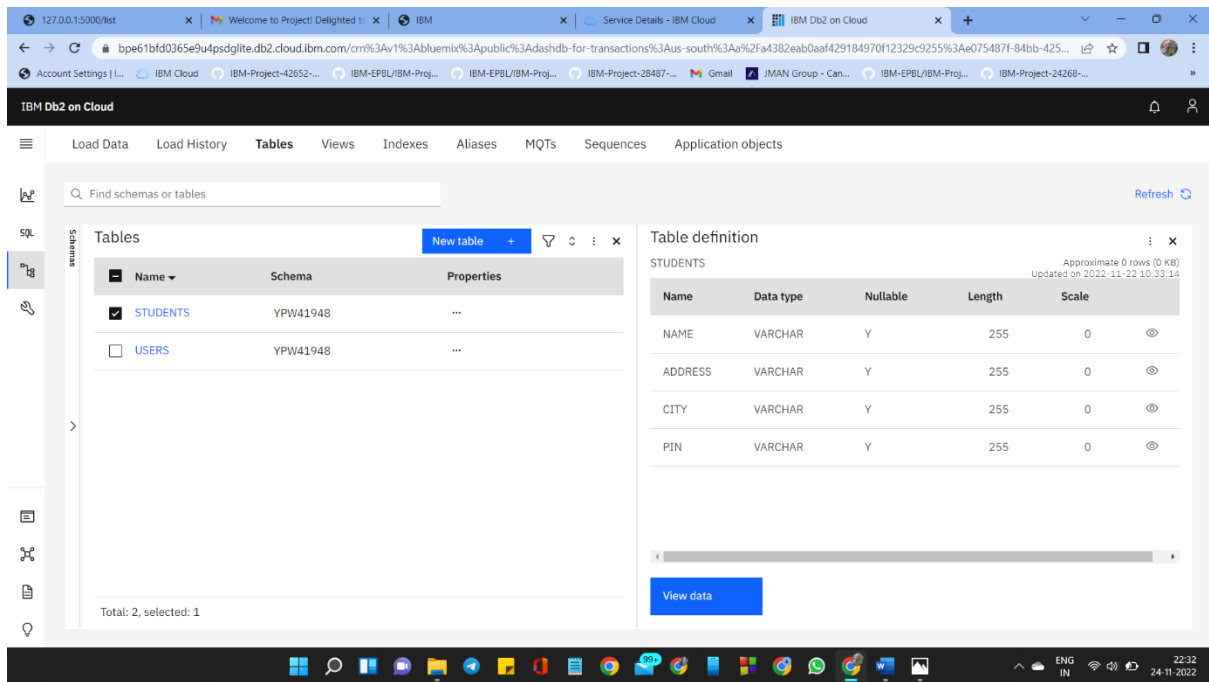
Database:

Db2:

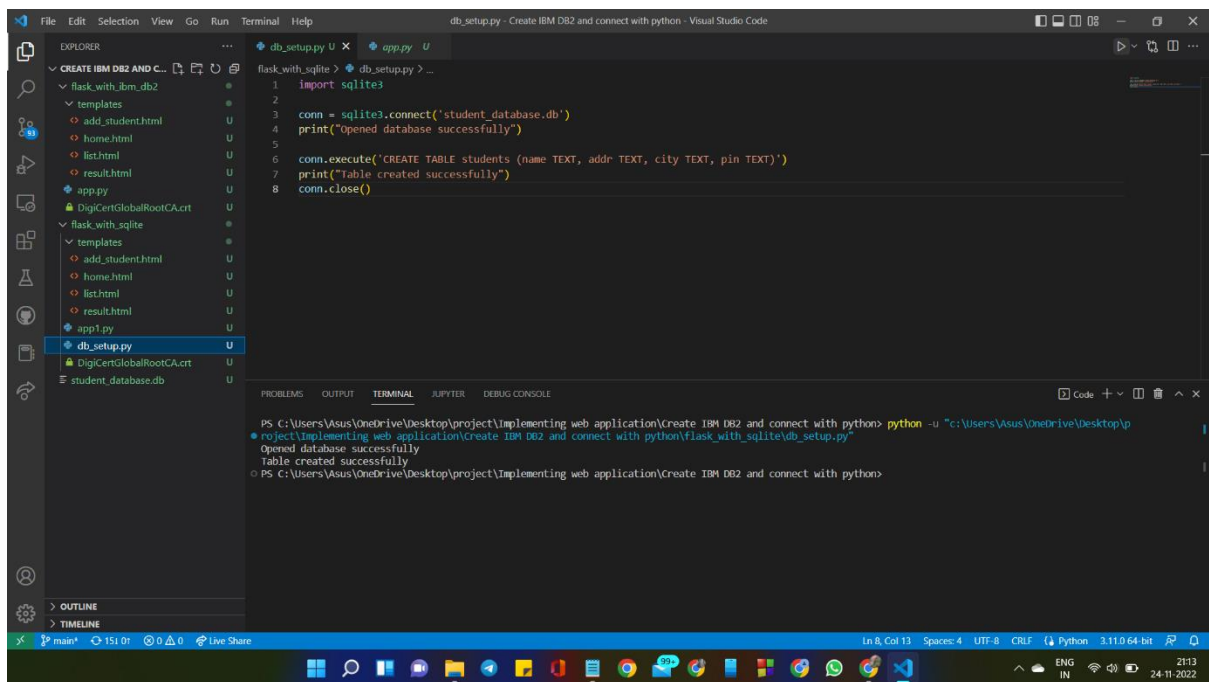




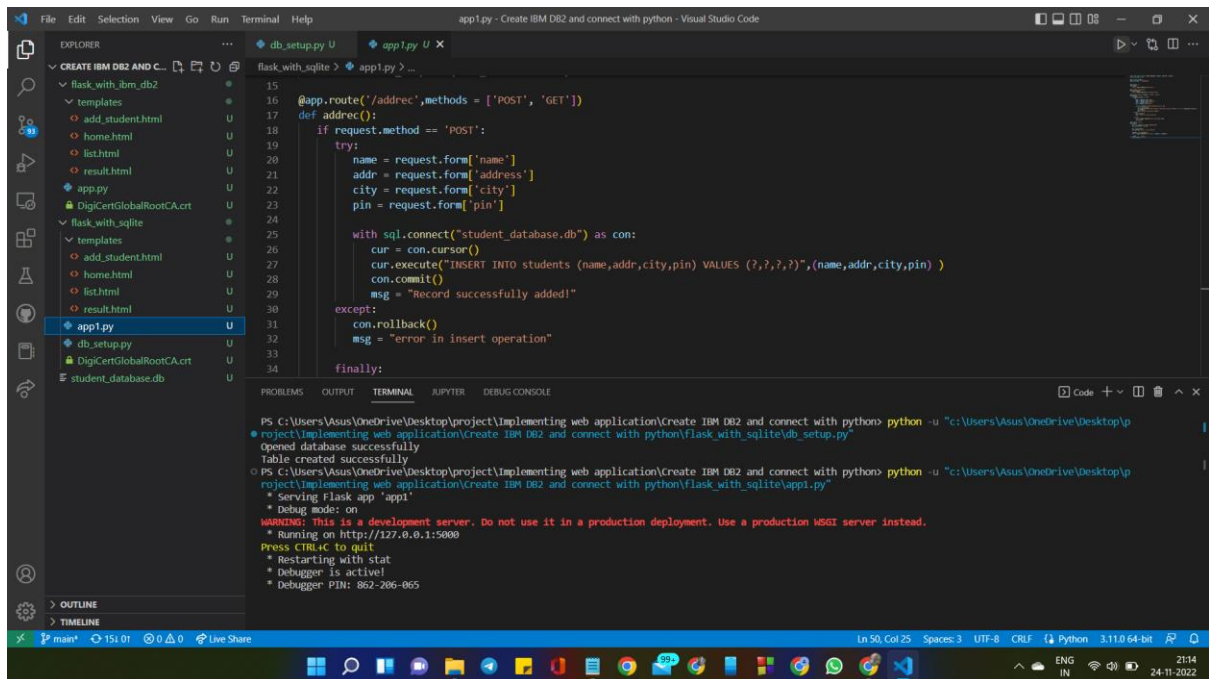




db_setup.py



app.py

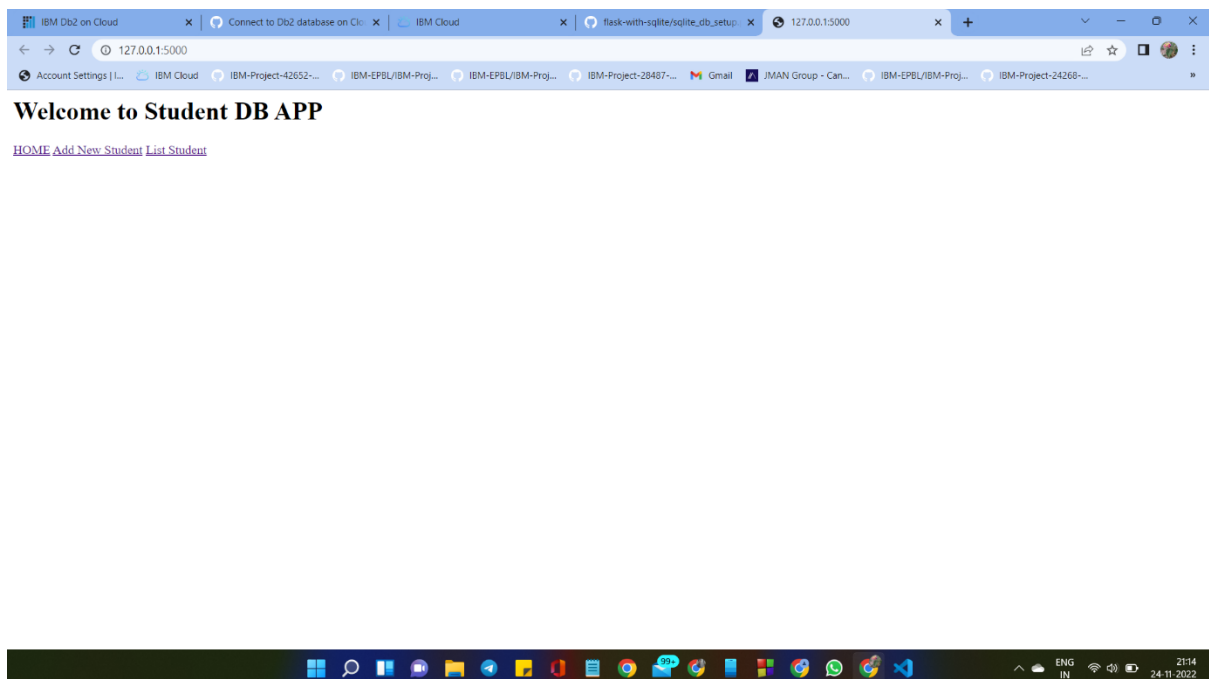


The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure. The main editor window shows the code for `app.py`, which is a Flask application. The code defines a route `/addrec` that handles POST and GET requests. For POST requests, it takes form data (name, address, city, pin) and inserts it into a database table named `students`. The terminal at the bottom shows the command to run the application: `python -u "c:\Users\Asus\OneDrive\Desktop\project\Implementing web application\Create IBM Db2 and connect with python\flask_with_sqlite\app1.py"`. The output indicates that the database was created successfully and the application is running on `http://127.0.0.1:5000`.

```
15
16 @app.route('/addrec', methods = ['POST', 'GET'])
17 def addrec():
18     if request.method == 'POST':
19         try:
20             name = request.form['name']
21             addr = request.form['address']
22             city = request.form['city']
23             pin = request.form['pin']
24
25             with sql.connect("student_database.db") as con:
26                 cur = con.cursor()
27                 cur.execute("INSERT INTO students (name,addr,city,pin) VALUES (?,?,,?)",(name,addr,city,pin) )
28                 con.commit()
29                 msg = "Record successfully added!"
30         except:
31             con.rollback()
32             msg = "error in insert operation"
33     finally:
34         return render_template("add.html", msg=msg)
```

PS C:\Users\Asus\OneDrive\Desktop\project\Implementing web application\Create IBM Db2 and connect with python> python -u "c:\Users\Asus\OneDrive\Desktop\p
roject\Implementing web application\Create IBM Db2 and connect with python\flask_with_sqlite\db_setup.py"
Opened database successfully
Table created successfully
PS C:\Users\Asus\OneDrive\Desktop\project\Implementing web application\Create IBM Db2 and connect with python> python -u "c:\Users\Asus\OneDrive\Desktop\p
roject\Implementing web application\Create IBM Db2 and connect with python\flask_with_sqlite\app1.py"
* Serving Flask app 'app1'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 862-206-065

output:



Welcome to Project Delighted 1: x IBM x CAD-B2-2M4E(Evening Session) x New Tab x 127.0.0.1:5000/addr

127.0.0.1:5000/addr

Account Settings | IBM Cloud IBM-Project-42652-... IBM-EPBL/IBM-Proj... IBM-EPBL/IBM-Proj... IBM-Project-28487-... Gmail JMAN Group - Can... IBM-EPBL/IBM-Proj... IBM-Project-24268-...

[HOME](#) [Add New Student](#) [List Student](#)

Record successfully added!

Name	Address	city	Pincode
------	---------	------	---------

IBM Db2 on Cloud x Connect to Db2 database on Clo: x IBM Cloud x flask-with-sqlite/sqlite_db_setup x 127.0.0.1:5000/list

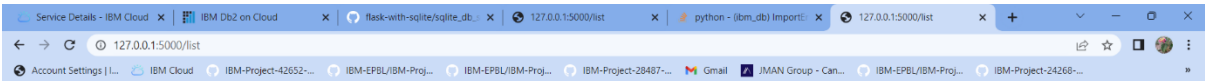
127.0.0.1:5000/list

Account Settings | IBM Cloud IBM-Project-42652-... IBM-EPBL/IBM-Proj... IBM-EPBL/IBM-Proj... IBM-Project-28487-... Gmail JMAN Group - Can... IBM-EPBL/IBM-Proj... IBM-Project-24268-...

[HOME](#) [Add New Student](#) [List Student](#)

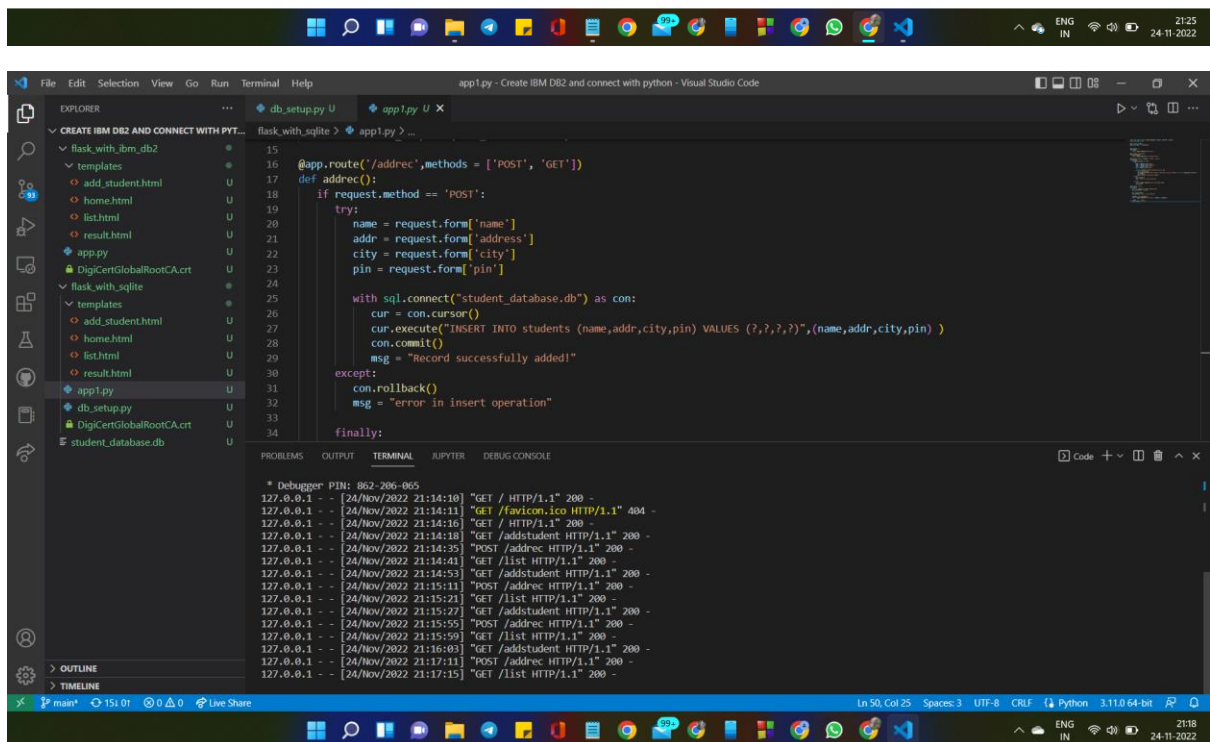
Name	Address	city	Pincode
Dhivya	kovai	Pollachi	642002

21:14 24-11-2022



HOME Add New Student List Student

Name	Address	city	Pincode
Dhivya	kovai	Pollachi	642002
keerthana	kovai	nagamam	642128
janani	kovai	kottampatti	624581
kaviya	kovai	trichy	654123
nithila	chennai	chennai	654789



Service credentials IBM db2 connection:

```
import ibm_db
conn = ibm_db.connect("database: bludb,
hostname: 19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdom
ain.cloud,port:30699;SECURITY=SSL;SSLServerCertificat
e=DigiCertGlobalRootCA.crt;UID=ypw41948;PWD=B0JX
20hsbAUoZdWv",",")
print(conn)
print("connection successful...")
```