

**Assignment -2**  
**Flask App**

Assignment Date	19 September 2022
Student Name	Srinivasan M N
Student Roll Number	61772021L03
Maximum Marks	2 Marks

**Question-1:**

- Create a Flask App
- Add the Home page, About Page
- Add the Bootstrap
- Add the Sign in page and App the Signup Page + database connectivity

**app.py**

```
from flask import Flask, render_template, request, redirect, session
import sqlite3 as sql
app = Flask(__name__)
app.secret_key = 'fasdgfdgdfg'
@app.route('/')
def home():
    return render_template('home.html')
@app.route('/signin')
def signin():
    return render_template('signin.html')
@app.route('/about')
def about():
    return render_template('about.html')
@app.route('/addstudent')
def new_student():
    return render_template('add_student.html')
@app.route('/addrec', methods=['POST', 'GET'])
def addrec():
    if request.method == 'POST':
        try:
```

```

name = request.form['name']
addr = request.form['address']
city = request.form['city']
pin = request.form['pin']
with sql.connect("student_database.db") as con:
    cur = con.cursor()
    cur.execute(
        "INSERT INTO students (name,addr,city,pin) VALUES (?, ?, ?, ?)", (name, addr, city, pin))
    con.commit()
    msg = "Record successfully added!"
except:
    con.rollback()
    msg = "error in insert operation"
finally:
    return render_template("list.html", msg=msg)
    con.close()
@app.route('/list')
def list():
    con = sql.connect("student_database.db")
    con.row_factory = sql.Row
    cur = con.cursor()
    cur.execute("select * from students")
    students = cur.fetchall()
    return render_template("list.html", students=students)
if __name__ == '__main__':
    app.run(debug=True)

```

### **Sqlite\_db\_setup.py**

```

import sqlite3

conn = sqlite3.connect('student_database.db')

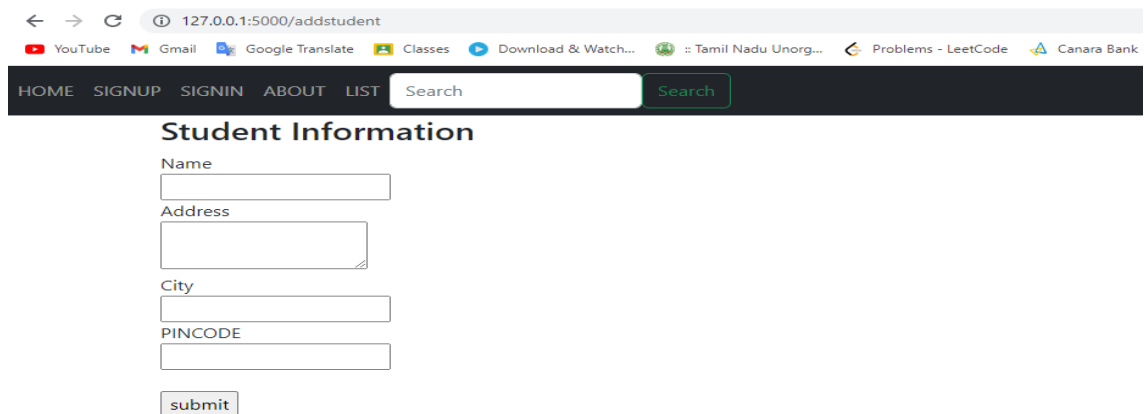
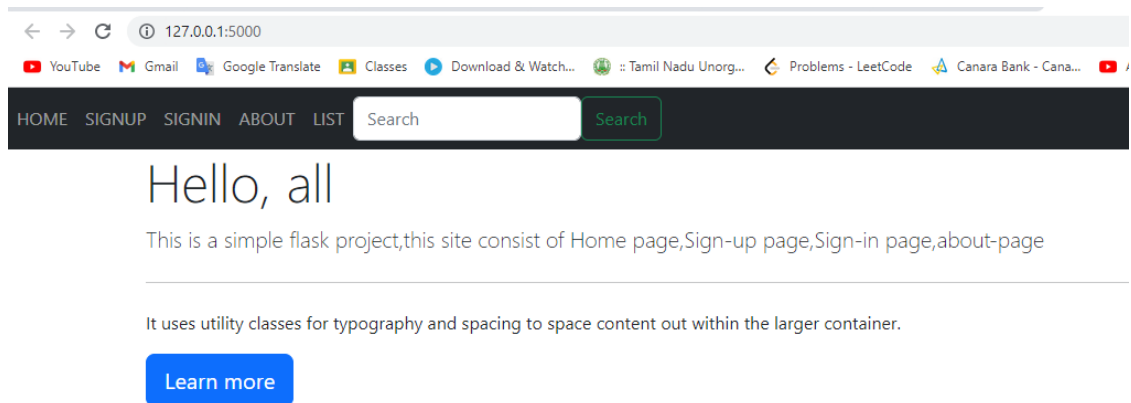
```

```
print("Opened database successfully")

conn.execute('CREATE TABLE students (name TEXT, addr TEXT, city TEXT, pin TEXT)')

print("Table created successfully")

conn.close()
```



Name	Address>	city	Pincode
Srinivasan Nesamani	7/213, South Ammapetsalem		636014
John	Madurai	Madurai	64301
Ram	salem	Salem	67392