

ASSIGNMENT -2

1. Create a Flask App
2. Add the Home page, About Page
3. Add the Bootstrap
4. Add the Sign in page and App the Signup Page + database connectivity

app.py

```
from turtle import st

from flask import Flask, render_template, request, redirect, url_for, session

from markupsafe import escape

import ibm_db

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=3883e7e4-18f5-4afe-
be8c-fa31c41761d2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=
31498;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=pkc9
7923;PWD=X4zNsMTqookDgNSa", "", "")

print(conn)

app = Flask(__name__)

@app.route('/')

def home():

    return render_template('home.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':

    name = request.form['name']
    address = request.form['address']
    city = request.form['city']
    pin = request.form['pin']
    sql = "SELECT * FROM students WHERE name =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,name)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    if account:
        return render_template('list.html', msg="You are already a member, please
login using your details")
    else:
        insert_sql = "INSERT INTO students VALUES (?, ?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, name)
        ibm_db.bind_param(prepare_stmt, 2, address)
        ibm_db.bind_param(prepare_stmt, 3, city)
        ibm_db.bind_param(prepare_stmt, 4, pin)
        ibm_db.execute(prepare_stmt)

        return render_template('home.html', msg="Student Data saved
successfully..")

@app.route('/list')

def list():
    students = []

```

```

sql = "SELECT * FROM Students"
stmt = ibm_db.exec_immediate(conn, sql)
dictionary = ibm_db.fetch_both(stmt)
while dictionary != False:
    # print ("The Name is : ", dictionary)
    students.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
if students:
    return render_template("list.html", students = students)

@app.route('/delete/<name>')
def delete(name):
    sql = f"SELECT * FROM Students WHERE name='{escape(name)}'"
    print(sql)
    stmt = ibm_db.exec_immediate(conn, sql)
    student = ibm_db.fetch_row(stmt)
    print ("The Name is : ", student)
    if student:
        sql = f"DELETE FROM Students WHERE name='{escape(name)}'"
        print(sql)
        stmt = ibm_db.exec_immediate(conn, sql)
        students = []
        sql = "SELECT * FROM Students"
        stmt = ibm_db.exec_immediate(conn, sql)
        dictionary = ibm_db.fetch_both(stmt)
        while dictionary != False:
            students.append(dictionary)

```

```
dictionary = ibm_db.fetch_both(stmt)

if students:

    return render_template("list.html", students = students, msg="Delete
successfully")
```

add_student.html:

```
a href="/">HOME</a>

<a href="/addstudent">Add New Student</a>
<a href="/list">List Student</a>

<hr>

<form action = "{{ url_for('addrec') }}" method = "POST">

    <h3>Student Information</h3>

    Name<br>

    <input type = "text" name="name" /></br>

    Address<br>

    <textarea name="address" ></textarea><br>

    City<br>

    <input type = "text" name="city" /><br>

    PINCODE<br>

    <input type = "text" name="pin" /><br><br>

    <input type = "submit" value = "submit" /><br>

</form>
```

home.html:

```
<a href="/">HOME</a>

<a href="/addstudent">Add New Student</a>
```

```
<a href="/list">List Student</a>
```

```
<hr>
```

```
{{msg}}
```

```
<h1>Welcome to Student DB APP</h1>
```

list.html:

```
<!doctype html>
```

```
<html>
```

```
<body>
```

```
<a href="/">HOME</a>
```

```
<a href="/addstudent">Add New Student</a>
```

```
<a href="/list">List Student</a>
```

```
<br><hr>
```

```
{{ msg }}
```

```
<table border = 1>
```

```
<thead>
```

```
<td>Name</td>
```

```
<td>Address</td>
```

```
<td>city</td>
```

```
<td>Pincode</td>
```

```
<td></td>
```

```
</thead>
```

```
{% for row in students %}
```

```
<tr>
```

```
<td>{{row["NAME"]}}</td>
```

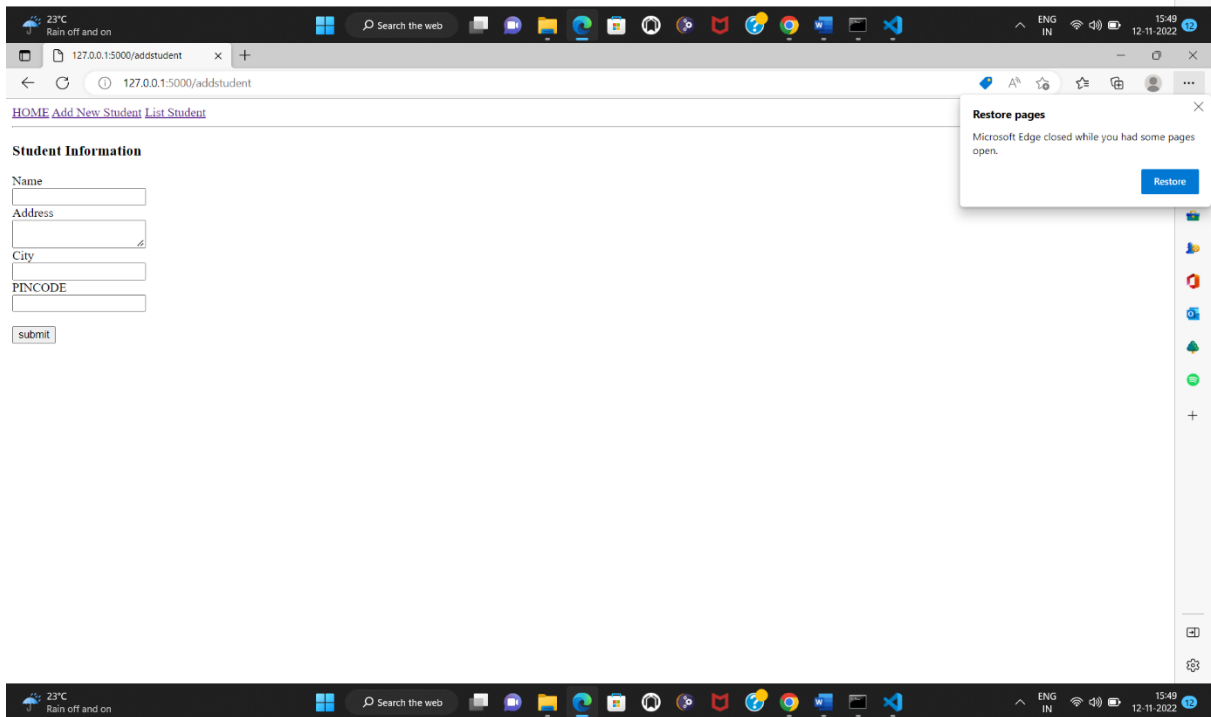
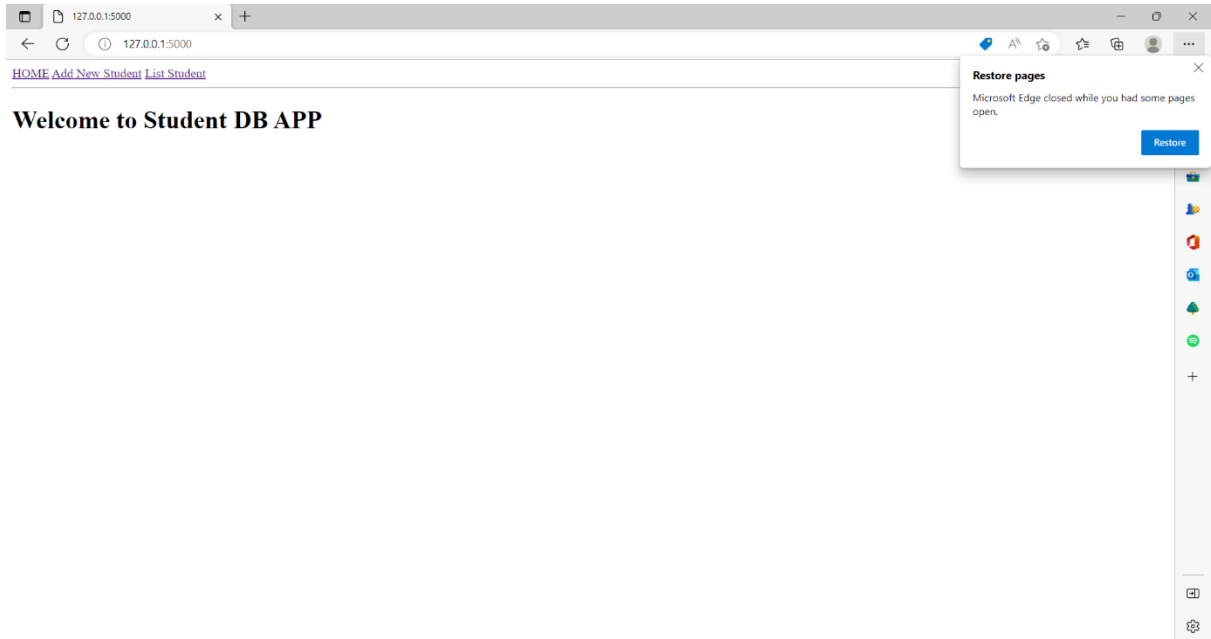
```
<td> {{ row["ADDRESS"]}}</td>
```

```
<td>{{row["CITY"]}}</td>
```

```
<td>{{row['PIN']}}</td>
<td><a href="/delete/{{row['NAME']}}">Delete</a></td>
</tr>
{% endfor %}
</table>
</body>
</html>
```

result.html:

```
<!doctype html>
<html>
<body>
  {{ msg }}
  <h2><a href = "\">Back to home page</a></h2>
</body>
</html>
```



127.0.0.1:5000/list

127.0.0.1:5000/list

HOME Add New Student List Student

Name	Address	city	Pincode	
Santhosh Prakash M	2/1191-10, Santhanam Nagar, 5th Street, Kannanenthall, Madurai	Madurai	625014	Delete
SIVAPRIYA	2/1191-10, Santhanam Nagar, 5th Street, Kannanenthall, Madurai	Madurai	625014	Delete
Anand	2/1191-10 Santhanam Nagar, 5th St, Kannanenthall	Madurai	625014	Delete
PRISCA MARY	2/1191-10, Santhanam Nagar, 5th Street, Kannanenthall, Madurai	Madurai	625014	Delete
Iachu	2/1191-10, Santhanam Nagar, 5th Street, Kannanenthall, Madurai	Madurai	625014	Delete

Restore pages

Microsoft Edge closed while you had some pages open.

Restore

23°C Rain off and on

Search the web

ENG IN

15:50 12-11-2022