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

```python
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=pkc97923;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():
```

```python
    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(prep_stmt, 1, name)

            ibm_db.bind_param(prep_stmt, 2, address)

            ibm_db.bind_param(prep_stmt, 3, city)

            ibm_db.bind_param(prep_stmt, 4, pin)

            ibm_db.execute(prep_stmt)

        return render_template('home.html', msg="Student Data saved
successfuly..")
@app.route('/list')

def list():

    students = []
```

```python
    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)
```

```python
        dictionary = ibm_db.fetch_both(stmt)
    if students:
        return render_template("list.html", students = students, msg="Delete successfully")
```

add_student.html:

```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:

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

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

```html
<a href="/list">List Student</a>
<hr>
{{msg}}
<h1>Welcome to Student DB APP</h1>
```

list.html:

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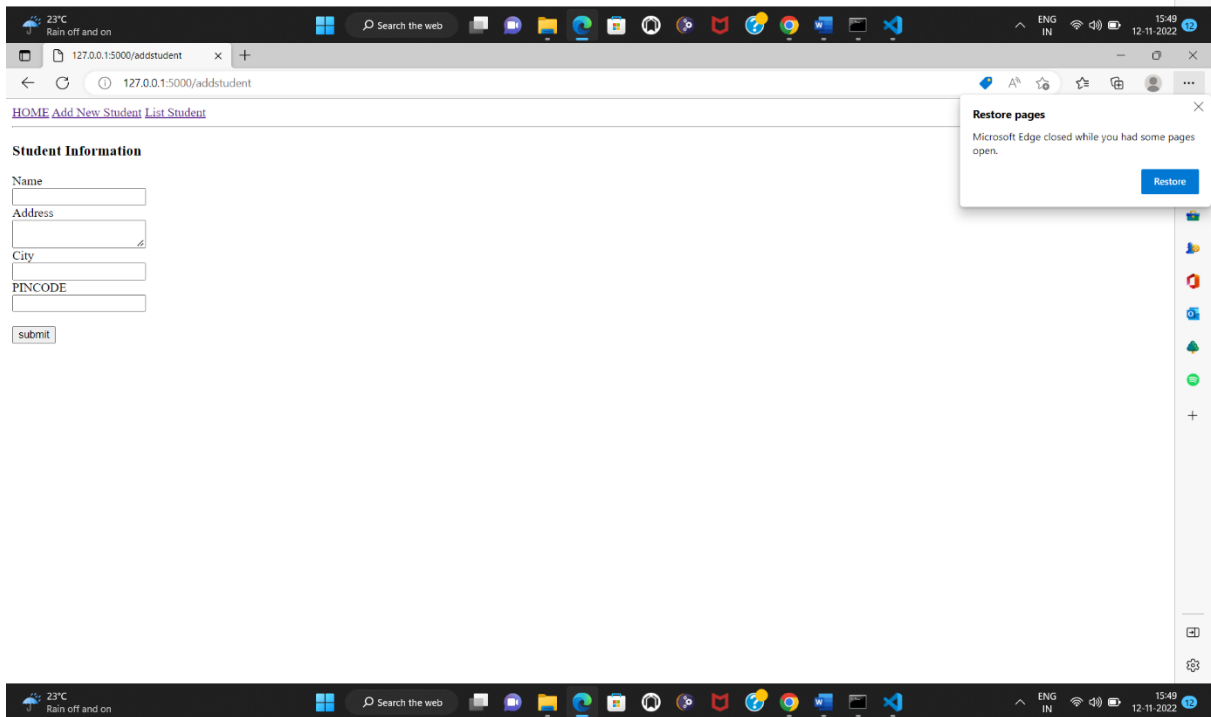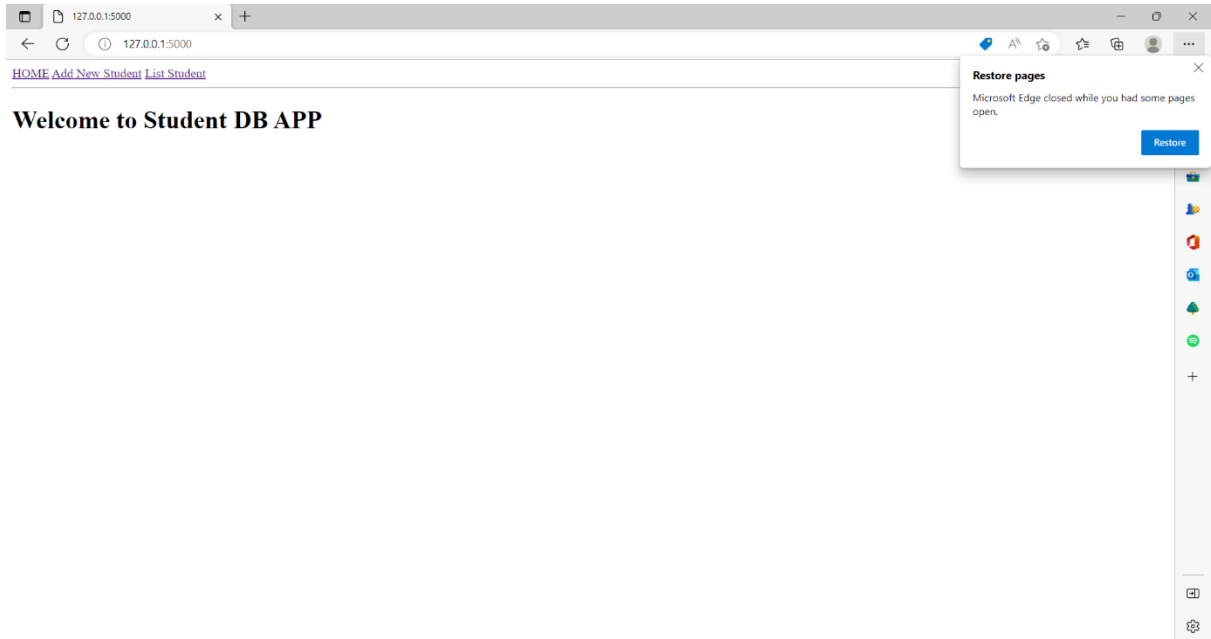
```
          <td>{{row['PIN']}}</td>
          <td><a href="/delete/{{row['NAME']}}">Delete</a></td>
        </tr>
      {% endfor %}
    </table>
  </body>
</html>
```

result.html:

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

Welcome to Student DB APP

Student Information

Name

Address

City

PINCODE

submit

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