Assignment -1

Python Programming

Assignment Date	19 September 2022
Student Name	Anjana S
Student Roll Number	621319104002
Maximum Marks	2 Marks

Question-1:

Create registration page in html with username, email and phone number and by using POST method display it in next html page.

Solution:

home.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Registration page</title>

  <style type="text/css">
    body{
      background-color: rgb(95, 179, 235);
    }
    table{
      font-size: 24px;
      border-collapse: separate;
      border-spacing: 12px;
    }
    table input{
      border: none;
      width: 230px;
      height: 25px;
```

```
      border-radius:3px;
      font-size: 20px;
    }
  </style>
</head>
<body>
  <center>
  <br><br>
  <h1>Registration</h1><br>
  <form action="{{ url_for('output') }}" method="post">
  <table>
    <tr>
      <td>
      <label>Name</label>
      </td>
      <td>
      <input type="text" class="name-input name mb-3" id="name" name="name">
      </td>
    </tr>
    <tr>
      <td>
      <label>Email</label>
      </td>
      <td>
      <input type="email" class="name-input name mb-3" id="email" name="email">
      </td>
    </tr>
    <tr>
      <td>
      <label>Mobile</label>
```

```
      </td>
      <td>
         <input type="number" class="name-input name mb-3" id="mobile" name="mobile">
      </td>
    </tr>
    </table><br><br>
    <input class="btn btn-outline-primary" type="submit" value="Submit">
  </form>
</center>
</body>
</html>
```

output.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>UI Profile</title>

  <style type="text/css">
    body{
      background-color: rgb(0, 101, 252);
    }
    table{
      font-size: 24px;
      border-collapse: separate;
      border-spacing: 12px;
    }
  </style>
</head>
```

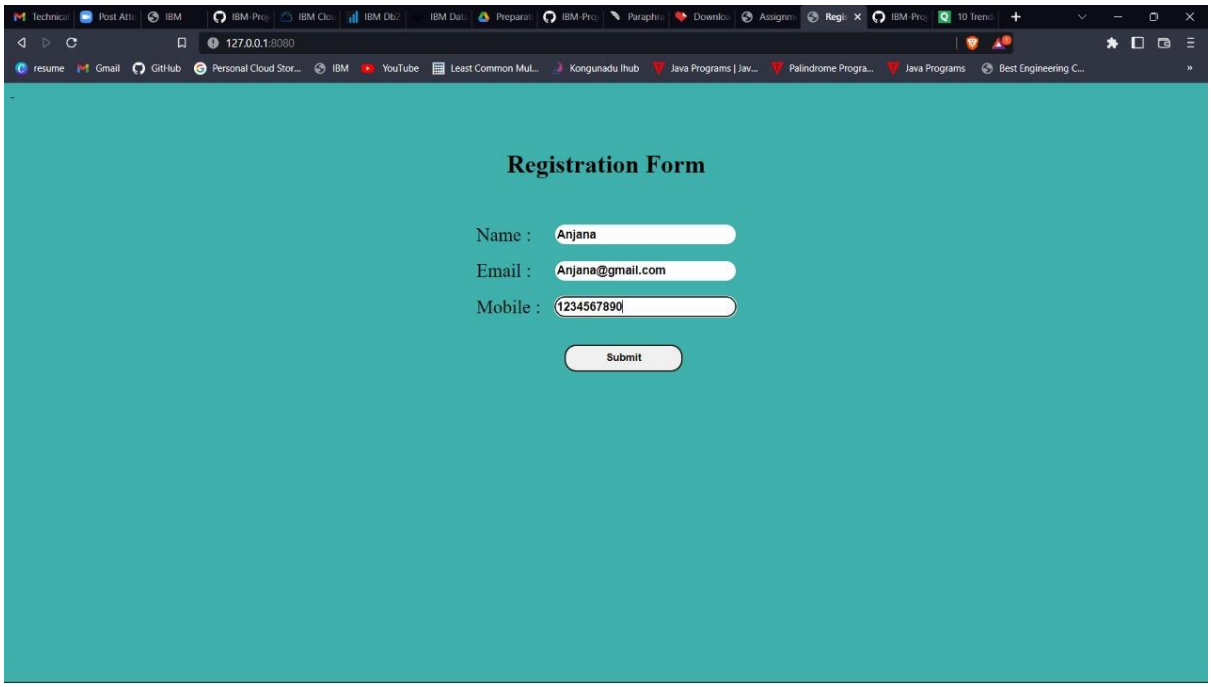
```
<body>
  <center>
  <br><br>
  <h1>Welcome!!!</h1><br>
  <form action="{{ url_for('result') }}" method="post">
  <table>
   <tr>
     <h3>Name : {{ name }}<br></h3>
   </tr>
   <tr>
     <h3>Email : {{ email }}<br></h3>
   </tr>
  <tr>
    <h3>Mobile : {{ mobile }}<br></h3>
   </tr>
    </table><br><br>
  </form>
</center>
</body>
</html>
```

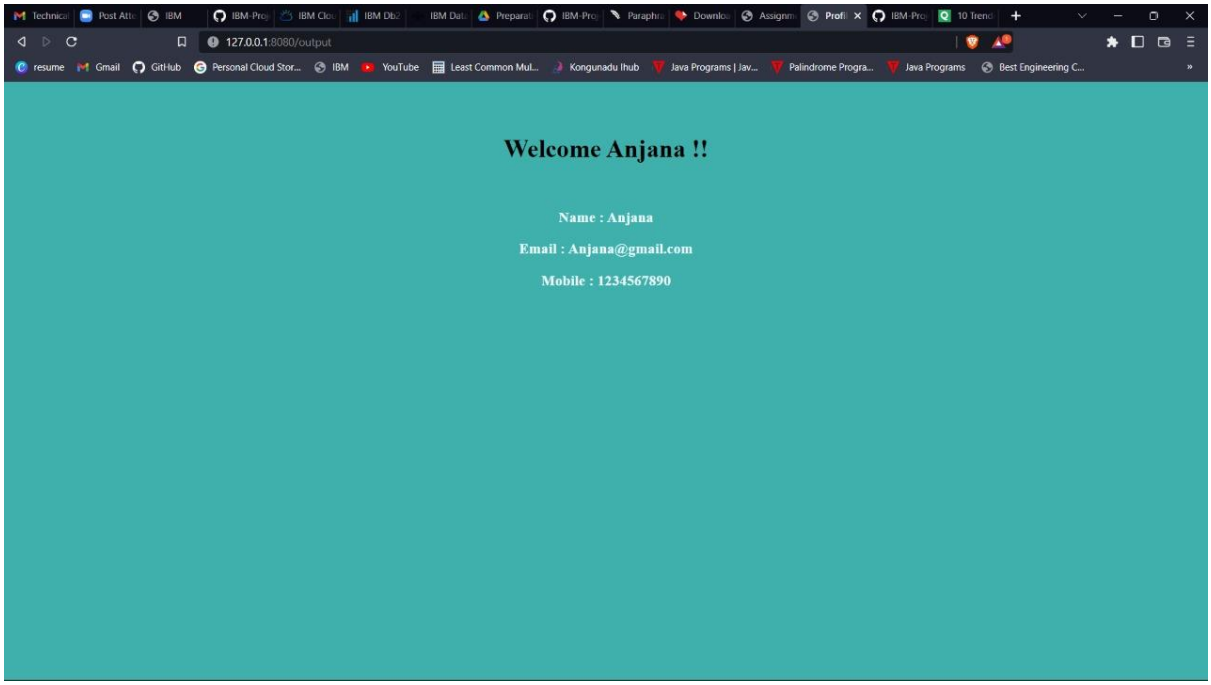
app.py

```
from flask import *;
import os
app = Flask(_name_)
@app.route('/', methods=['GET', 'POST'])
def Home():
    if request.method == 'POST':
        name = request.form["name"]
        email= request.form["email"]
        mobile = request.form["mobile"]
```

```
        return redirect(url_for('output', name=name, email=email, mobile=mobile))
    return render_template('Home.html')
@app.route("/output", methods=['GET', 'POST'])
def output():
    name = request.form.get('name')
    email= request.form.get('email')
    mobile = request.form.get('mobile')
    return render_template('output.html', name=name, email=email, mobile=mobile)
if _name_ == "_main_":
    app.run(debug=True, port=8080)
```

Output:





Question-2:

Develop a flask program which should contain at least 5 packages used from pypi.org.
Suppose the following input is supplied to the program:
Solution:

```
def _init_(self, n):
        self.value = n

def val(self):
        return self.value

def add(self, n2):
        self.value += n2.val()

def _add_(self, n2):
        return self._class__(self.value + n2.val())

def str__(self):
        return str(self.val())

@classmethod
def addall(cls, number_obj_iter):
        cls(sum(n.val() for n in number_obj_iter))
```