Assignment -1

Registration Page Assignment

Assignment Date	19 September 2022
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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.

Home.html

```
        <!DOCTYPE html>
<html>
<head>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
 <title>Profile Details</title>
 <style type="text/css">
  body{
   background: rgb(2,0,36);
background: linear-gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
  }
  table{
   font-size: 24px;
   border-collapse: separate;
   border-spacing: 12px;
  }
  h3{
   color: azure;
  }
 </style>
</head>
<body>
```

```
 <center>
 <br><br>
 <h1>Welcome {{ name }} !!</h1><br>
 <form action="{{ url_for('output') }}" 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>
```

output.html

```
<!DOCTYPE html>
<html>
<head>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
 <title>Registration Form</title>
    <style type="text/css">
      body{
       background-color: antiquewhite;
      }
      table{
```

```
        background-image: radial-gradient(circle, #5c0067 0%, #00d4ff 100%);
        font-size: 24px;
        border-collapse: separate;
        border-spacing: 17px;
        border-radius: 10px;
        background-color: aliceblue;
        color: aqua;
      }
      table input{
        border: none;
        width: 230px;
        height: 25px;
        background-color: rgb(254, 254, 254);
        border-radius:15px;
        font-size: 15px;
        font-weight: bold;
        font-style: italic;
      }
      .btn{
        border-radius: 15px;
        width: 150px;
        text-align: center;
        padding: 7px;
        margin-top: -20px;
        margin-right: -45px;
        font-weight: bold;
        justify-content: center;
      }
    </style>
</head>
<body>
```

```
<center>
<br><br>
<h1>Registration Form</h1><br>
<form action="{{ url_for('output') }}" method="post">
<table>
 <tr>
    <td>
    <label>Name  : </label>
  </td>
  <td>
    <input type="text"  id="name" name="name">
  </td>
 </tr>
 <tr>
  <td>
    <label>Email  : </label>
  </td>
  <td>
    <input type="email"  id="email" name="email">
  </td>
 </tr>
 <tr>
  <td>
    <label>Mobile  : </label>
  </td>
  <td>
     <input type="text" id="mobile" name="mobile">
  </td>
 </tr>
 </table><br><br>
 <input class="btn btn-outline-primary" type="submit" value="Submit">
```

```
 </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.

Solution:

```
class Number(object):

    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))
```