

**Assignment -1**  
Registration Page Assignment

Assignment Date	19 September 2022
Student Name	SATHIYANANTH P
Student Roll Number	621319104051
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:



The screenshot displays a web application interface with a light orange background. At the top center, the text "Registration Form" is displayed in a bold, black font. Below this title is a blue rectangular box containing three input fields. The first field is labeled "Name :" and contains the text "SATHIYANANTH P". The second field is labeled "Email :" and contains the text "sathiyacse@gmail.com". The third field is labeled "Mobile :" and contains the text "1234567890". Below these fields is a white button with the text "Submit" in a small, black font.

Welcome SATHIYANANTH P!!

Name : SATHIYANANTH P

Email : sathiyase@gmail.com

Mobile : 1234567890

### 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))
```