Assignment - 1

Python Programming

Assignment Date	27 October 2022
Student Name	Sreeram S S
Student Roll Number	962319106035
Maximum Marks	2 Marks

Question 1 :
Create a registration page in html with username, email and phone number and by using post method display it in next html page

form.html

```html
<!DOCTYPE html>
<html>
<head>
<body">
<form action="/result" method="post">
<label><b>Username</b></label>
<input type="text" placeholder="Enter username" name="username"><br><br>
<label><b>Email</b></label>
<input type="email" placeholder="Enter email" name="email"><br><br>
<label><b>PhoneNumber</b></label>
<input type="number" placeholder="Enter Phonenumber" name="phonenumber"><br><br>
<br><br>
<input type="submit" id="mySubmit" value="Register" ><br><br>
</form>
</body>
</html>
```
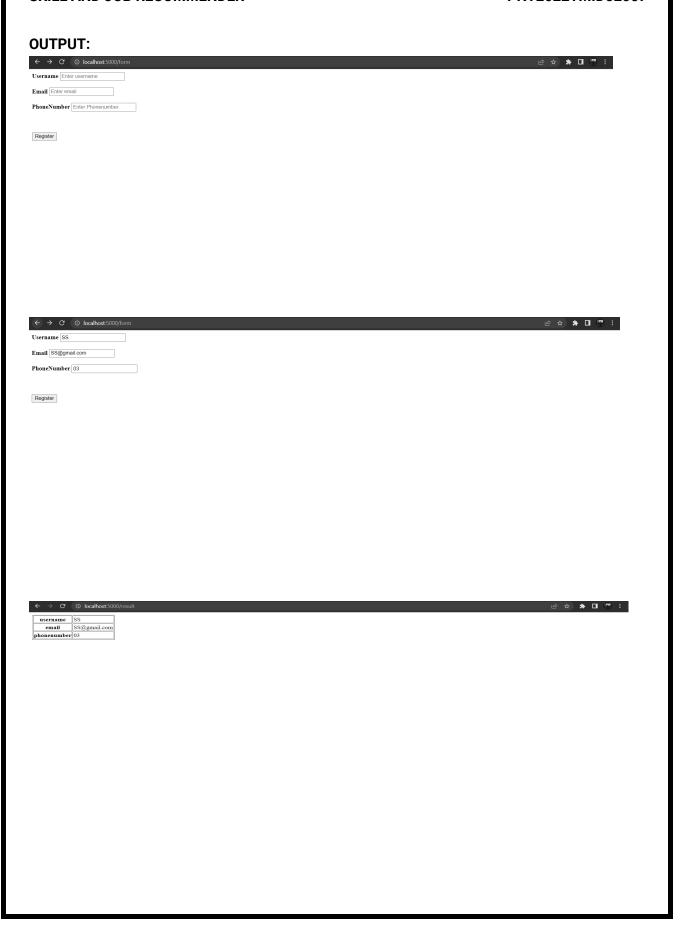
view.html

```html
<!DOCTYPE html>
<html>
<head>
</head>
```

```html
<body>
<table border = 1>

{% for key, value in form_data.items() %}
<tr>
<th> {{ key }} </th>
<td> {{ value }} </td>
</tr>{% endfor %}
</table>
</body>
</html>
```

app.py

```python
from flask import Flask,render_template,request

app = Flask(__name__)

@app.route('/form')
def form():
    return render_template('./form.html')


@app.route('/result', methods = ['POST', 'GET'])
def data():
    if request.method == 'GET':
        return f"The URL /data is accessed directly. Try going to '/form' to submit form"
    if request.method == 'POST':
        form_data = request.form
        print(form_data)
        return render_template('./view.html',form_data = form_data)


app.run(host='localhost', port=5000)
```

OUTPUT:

Username Enter username

Email Enter email

PhoneNumber Enter Phonenumber

Register

Username SS

Email SS@gmail.com

PhoneNumber 03

Register

---

username	SS
email	SS@gmail.com
phonenumber	03

Question 2:

Develop a flask program which should contain atleast 5 packages used from pypi.org.

Packages used:

1. render_template
2. url_for
3. redirect
4. request
5. abort

Program :

python_packages.py

```python
from flask import Flask, redirect, url_for, render_template, request

app = Flask(__name__)

@app.route('/form')
def form():
    return render_template('form.html')

@app.route('/result', methods = ['POST', 'GET'])
def data():
    if request.method == 'GET':
        return f"The URL /data is accessed directly. Try going to '/form' to submit form"
    if request.method == 'POST':
        form_data = request.form
        print(form_data)
        return render_template('view.html',form_data = form_data)

@app.route('/admin', methods = ['POST', 'GET'])
def admin():
    if request.method == 'GET':
        return render_template('admin.html')
    if request.method == 'POST':
        form_data = request.form
        if request.method == 'POST' and request.form['username'] == 'admin' :
            return render_template('view.html',form_data = form_data)
```

```
        else:
            return redirect(url_for('admin'))


app.run(host='localhost', port=5000)
```

admin.html:

```html
<!DOCTYPE html>
<html>
<head>
<body>
<form action="/admin" method="post">
<label><b>Username</b></label>
<input type="text" placeholder="Enter username" name="username"><br><br>
<label><b>Password</b></label>
<input type="password" placeholder="Enter the password" name="password"><br><br>
<br><br>
<input type="submit" id="mySubmit" value="Signin" ><br><br>
</form>
</body>
</html>
```

form.html

```html
<!DOCTYPE html>
<html>
<head>
<body">
<form action="/result" method="post">
<label><b>Username</b></label>
<input type="text" placeholder="Enter username" name="username"><br><br>
<label><b>Email</b></label>
<input type="email" placeholder="Enter email" name="email"><br><br>
<label><b>PhoneNumber</b></label>
<input type="number" placeholder="Enter Phonenumber" name="phonenumber"><br><br>
<br><br>
<input type="submit" id="mySubmit" value="Register" ><br><br>
</form>
</body>
```

</html>

view.html

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<table border = 1>

{% for key, value in form_data.items() %}
<tr>
<th> {{ key }} </th>
<td> {{ value }} </td>
</tr>{% endfor %}
</table>
</body>
</html>
```

Output :

localhost:5000/admin

username	admin
password	abcd