

Assignment -1
Python Programming

Assignment Date	19 September 2022
Student Name	Sivakumar T V
Student Roll Number	2019115098
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 1:

register.html

```
<!DOCTYPE HTML>
```

```
<html>
```

```
    <head>
```

```
        <title> User Registration Form </title>
```

```
    </head>
```

```
    <body>
```

```
        <H2> User Registration Form </H2>
```

```
        <form action="{{ url_for('register')}}" method="POST">
```

```
            <div class="msg">{{ msg }}</div>
```

```
                <input id="username" name="username" type="text" placeholder="Enter  
Your Username" class="textbox"/></br></br>
```

```
                <input id="email" name="email" type="text" placeholder="Enter Your Email ID"  
class="textbox"/></br></br>
```

```
                <input id="mobile" name="mobile" type="number" placeholder="Enter Your Mobile  
No." class="textbox"/></br></br>
```

```
                <input type="submit" class="btn" value="SUBMIT"></br>
```

```
        </FORM>
```

```
    </BODY>
```

```
</HTML>
```

dashboard.html

```
<!DOCTYPE HTML>

<html>

    <head>

        <title>User application</title>

    </head>

    <body>

        <div class="msg1">Username : {{ msg1 }}</div>

        <div class="msg2">Email : {{ msg2 }}</div>

        <div class="msg3">Phone no: {{ msg3 }}</div>

    </BODY>

</HTML>
```

app.py

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

```
app = Flask(__name__)
```

```
@app.route('/', methods=['GET', 'POST'])
```

```
def register():
```

```
    msg = "
```

```
if request.method == 'POST' and 'username' in request.form and 'email' in request.form and 'mobile' in request.form:
```

```
    username = request.form['username']
```

```
    email = request.form['email']
```

```
    mobile = request.form['mobile']
```

```
    msg = 'Registered Successfully!'
```

```
    return render_template('dashboard.html',msg1 = username,msg2 = email,msg3 = mobile)
```

```
    return render_template('register.html', msg = msg)
```

```
if __name__=='_main_':
```

```
    app.run()
```



← → ↻ 127.0.0.1:5000

User Registration Form



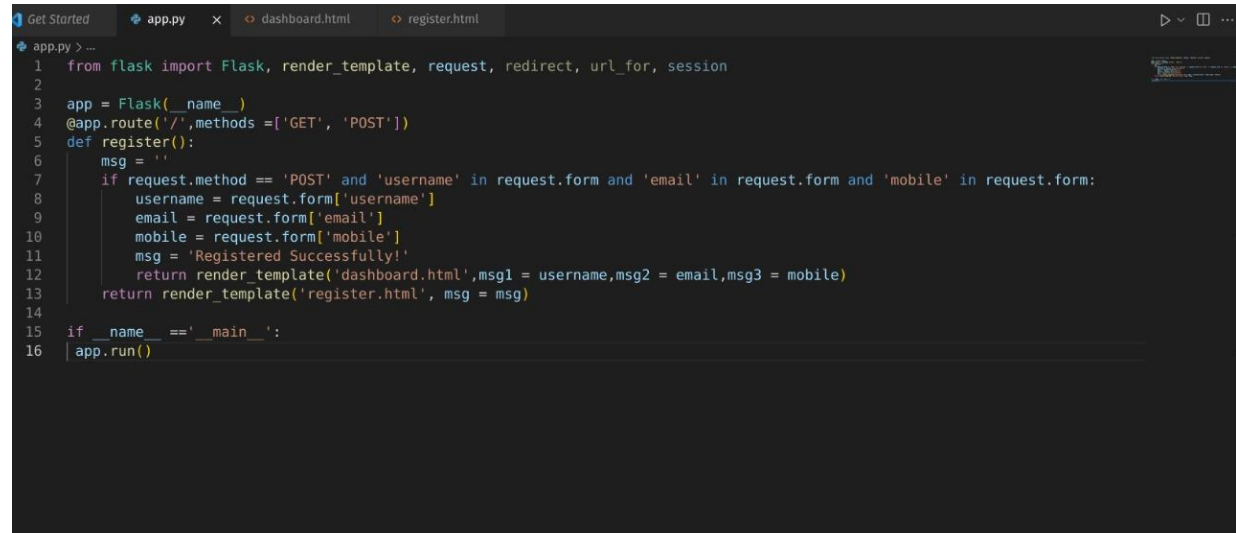
← → ↻ 127.0.0.1:5000

Username : Sivakumar TV
Email : siva@gmail.com
Phone no: 1019010101

Question 2:

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

Solution 2:

A screenshot of a code editor with a dark theme. The editor has three tabs at the top: 'app.py', 'dashboard.html', and 'register.html'. The 'app.py' tab is active, showing Python code for a Flask application. The code imports Flask, render_template, request, redirect, url_for, and session. It creates a Flask app, defines a route for '/', and a register function that checks for POST requests and form data, then renders the dashboard.html template with user information. The code is numbered from 1 to 16 on the left margin.

```
1 from flask import Flask, render_template, request, redirect, url_for, session
2
3 app = Flask(__name__)
4 @app.route('/', methods = ['GET', 'POST'])
5 def register():
6     msg = ''
7     if request.method == 'POST' and 'username' in request.form and 'email' in request.form and 'mobile' in request.form:
8         username = request.form['username']
9         email = request.form['email']
10        mobile = request.form['mobile']
11        msg = 'Registered Successfully!'
12        return render_template('dashboard.html', msg1 = username, msg2 = email, msg3 = mobile)
13    return render_template('register.html', msg = msg)
14
15 if __name__ == '__main__':
16     app.run()
```