

Assignment -1
Python Programming

Assignment Date	19 September 2022
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Student Roll Number	2019115123
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_':
```

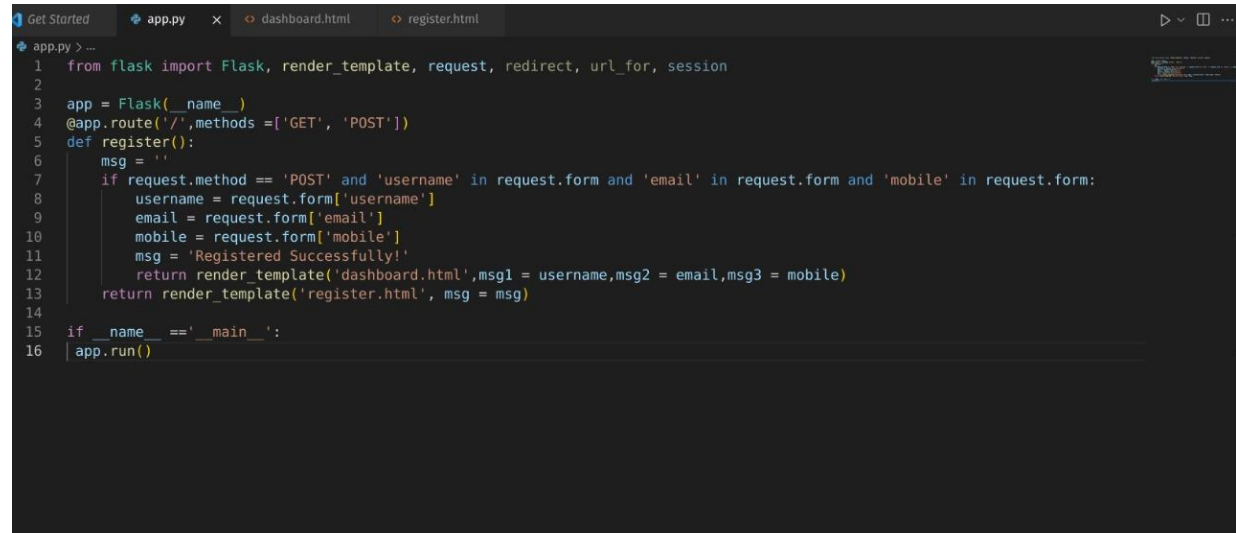
```
    app.run()
```



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, sets a route for '/' with GET and POST methods, and defines a register function that checks for POST requests and required fields (username, email, mobile). If all fields are present, it renders the dashboard.html template with the user's details. The code also includes a main block to run the app.

```
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()
```