

Assignment -1
Flask Programming

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Question-1:

1. Create a registration page in html with username, email and phone number and by using POST method display it in the next html page.

index.html:

```
<html>
<body>
<form action="{{ url_for("registration") }}" method="post">
<center>
<h1>REGISTRATION</h1><br/><br/>
  <label for="username"><span style="color:grey">UserName</span></label>
  <input type="text" id="username" name="username"
placeholder="username"><br/><br/>
  <label for="mobile"><span style="color:grey">Mobile</span></label>
  <input type="text" id="mobile" name="mobile" placeholder="mobile number"><br/><br/>
  <label for="email"><span style="color:grey">Email</span></label>
  <input type="email" id="email" name="email" placeholder="email"><br/><br/>
  <button type="submit" style="background-color:grey;color:white">Login</button>
</center>
</form>
</body>
</html>
```

display.html:

```
<html>
<body>
  <center>
    <h2>DETAILS</h2>
    <h4>User Name: {{username}} </h4>
    <h4>Email: {{email}} </h4>
    <h4>Mobile: {{mobile}} </h4>
  </center>
</body>
</html>
```

server.py:

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

```
app = Flask(__name__, template_folder='template')

@app.route('/', methods=["GET", "POST"])
def registration():
    if request.method == "POST":
        username = request.form.get("username")
        mobile_num = request.form.get("mobile")
        email = request.form.get("email")
        return render_template('display.html', username=username, mobile=mobile_num,
                               email=email)

    elif request.method == 'GET':
        return render_template("login.html")

if __name__ == '__main__':
    app.run(debug=True)
```

REGISTRATION

UserName	<input type="text" value="aarthi"/>
Mobile	<input type="text" value="4532314323"/>
Email	<input type="text" value="aarthi19003@cse.ssn.edu.in"/>
<input type="button" value="Login"/>	

DETAILS

User Name: aarthi

Email: aarthi19003@cse.ssn.edu.in

Mobile: 4532314323

Question-2:

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

Solution:

Developed a quiz application using Flask that uses pypi.org libraries like url_for, render_template, redirect_url ans and accepts user input as answers and displays the solution along with user answers in the following page.

server.py:

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

```
app = Flask(__name__, template_folder='template')
```

```
ANSWER1='Armin Ronacher'
```

```
ANSWER2='Both'
```

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

```
def quiz():
```

```
    if request.method == "POST":
```

```
        user_answer_1 = request.form.get('qn1')
```

```
        user_answer_2 = request.form.get('qn2')
```



```
<head>
<style>
  table,tr,th,td{
    border: 1px black solid;
    margin: 15px;
    padding: 15px;
  }
</style>
</head>
<body>
<center>
  <br/><br/>
  <h3 style="margin-top:15px;color:violet">RESULT</h3>
  <table>
    <tr>
      <th>Question</th>
      <th>Your answer</th>
      <th>Correct answer</th>
    </tr>
    <tr>
      <td>{{qn1}}</td>
      <td>{{user_answer_qn1}}</td>
      <td>{{correct_answer_qn1}}</td>
    </tr>
    <tr>
      <td>{{qn2}}</td>
      <td>{{user_answer_qn2}}</td>
      <td>{{correct_answer_qn2}}</td>
    </tr>
  </table>
</center>
</body>
</html>
```

QUIZ APPLICATION

Q1. Who first created Flask?

- ☐ Armin Ronacher
- ☒ Sebastian Witowski
- ☐ Andrew Ng

Q2. Jinja tags are written in

- ☐ {%{%}}
- ☐ {{ }}
- ☒ Both

submit

RESULT

Question	Your answer	Correct answer
Who first created Flask?	Sebastian Witowski	Armin Ronacher
Jinja tags are written in	Both	Both