

Assignment-1
Python Programming

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<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.

register.html

```
<html>
<head>
<<title>Registrationpage</title>
<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">
</head>
<body>
<divclass="center"><br /><br />
<formaction="/register" method="POST">
<h1>Register</h1><br/><br/>
<p>Enterusername:</p>
<inputtype="text"name="username"/>
<p>Enteremail:</p>
<inputtype="email"name="email"/>
<p>EnterPhonenumber:</p>
<inputtype="text"name="phone"/>
<br><br><br>
<inputtype="submit"value="submit"/>
</form>
</div>
</body>
```

```
</html>
```

register.css

```
.center{margin: auto;width: 10%;  
}
```

```
h1 {
```

```
text-align:center;
```

```
}
```

```
input{
```

```
border-radius:5px;
```

```
padding:7px;
```

```
}
```

home.html

```
<html>
```

```
<head>
```

```
<title>Home</title>
```

```
</head>
```

```
<bodystyle="text-align:center">
```

```
<h2>Welcome{{username}}</h2><br/><br/>
```

```
<b>Username</b>-{{username}}<br/><br/>
```

```
<b>EmailAddress</b>-{{email}}<br/><br/>
```

```
<b>Phonenumber</b>-{{phone}}<br/><br/>
```

```
</body>
```

```
</html>
```

Register.py

```
from flask import
```

```
Flask,render_template,requestapp=Flask(name)
```

```
@app.route("/")
```

```
defhome():
```

```

    return
render_template("register.html")@app.route("/register",methods=["POST","GET"])defregister():
    if
        request.method=="POST":username=request.form.get('username')email=request.form.get('email')phone=request.form.get('phone')
        returnrender_template("home.html",username=username,email=email,phone=phone)

ifname____==
    'main':app.run(debug=True)
ue)

```

Output:

Register

Please fill in this form to create an account.

Username

Swetha.R

Email

shwethashahi1914@gmail.com

Phone number

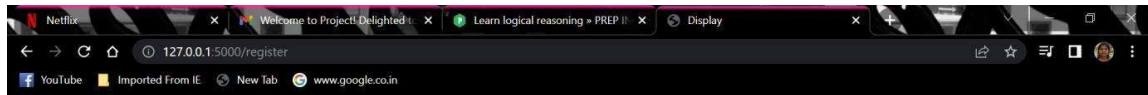
7358653602

Register

Activate Windows
Go to Settings to activate Windows.

Type here to search

28°C Cloudy 8:26 PM 10/7/2022



Output

Username	Swetha.R
Email Address	shwethashahi1914@gmail.com
Phone number	7358653602



Question-2:

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

Packages used:

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

Program:

python_packages.py

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

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

```
@app.route("/")
```

```
def home():
```

```
    return render_template("register.html")
```

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

```
defregister():
    if
        request.method=="POST":username=request.form.get('username')email=request.form.get('email')phone=request.form.get('phone')
        ifusername=="admin":
            returnredirect(url_for("admin_page"))
        returnrender_template("home.html",username=username,email=email,phone=phone)
```

```
@app.route("/admin")
defadmin_page():
    returnrender_template("admin.html")
```

```
@app.route("/validate",methods=["POST","GET"])defvalidate_admin():
    if
        request.method=="POST":password=request.form.get('password')if(password=="abcd"):
            return
        render_template("admindashboard.html")else:
            abort(403)
```

```
ifname__=="
    'main':app.run(debug=True)
```

register.html

```
<html>
<head>
<title>Registrationpage</title>
<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">
```

```

</head>
<body>
<divclass="center"><br /><br />
<formaction="/register"method="POST">
<h1>Register</h1><br/><br/>
<p>Enterusername:</p>
<inputtype="text"name="username"/>
<p>Enteremail:</p>
<inputtype="email"name="email"/>
<p>EnterPhonenumber:</p>
<inputtype="text"name="phone"/>
</br></br></br>
<inputtype="submit"value="submit"/>

</form>
</div>
</body>
</html>

```

home.html

```

<!DOCTYPEhtml>
<html>
<head>
<title>Home</title>
</head>
<bodystyle="text-align:center">
<h2>Welcome{ {username} }</h2><br/><br/>
<b>Username</b>-{ {username} }<br/><br/>
<b>EmailAddress</b>-{ {email} }<br/><br/>
<b>Phonenumber</b>-{ {phone} }<br/><br/>
</body>

```

</html>

admin.html

<html>

<head>

<title>AdminLogin</title>

<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">

</head>

<body>

<divclass="center">

<formaction="/validate"method="POST">

<h2style="text-align:center">Adminlogin</h2>

<p>Enterpassword:</p>

<inputtype="text"name="password"/>

</br></br></br>

<inputtype="submit"value="submit"/>

</form>

</div>

</body>

</html>

admindashboard.html

<html>

<head>

<title>Admin</title>

</head>

<body>

<h2style="text-align:center">WelcomeAdministrartor</h2>

<p>Who isanadministrator?</p></br>

<p>Web administrators design, develop, maintain and troubleshoot websites. Mostimportantly,theyensureasafeandefficientuserexperience.This mayinclude implementingsecurityprotocols,modifyingprograms, creatingbackups, resolvingsoftwareproblems,

updating content and more. They may work with many clients or for one organization to design, program and monitor websites. Specific responsibilities include: </p>

Coding websites—the most popular languages include HTML and JavaScript

Collaborating with development teams to program websites

Setting up tools to monitor website traffic

Analyzing website traffic to inform design decisions

</body>

</html>

Output:



Register

Enter username:

Enter email:

Enter Phone number:

submit



Admin login

Enter password:

submit

Welcome Administrator

Who is an administrator?

Web administrators design, develop, maintain and troubleshoot websites. Most importantly, they ensure a safe and efficient user experience. This may include implementing security protocols, modifying programs, creating backups, resolving software problems, updating content and more. They may work with many clients or for one organization to design, program and monitor websites. Specific responsibilities include:

- Coding websites – the most popular languages include HTML and JavaScript
- Collaborating with development teams to program websites
- Setting up tools to monitor website traffic
- Analyzing website traffic to inform design decisions

Admin login

Enter password:

Forbidden

You don't have the permission to access the requested resource. It is either read-protected or not readable by the server.