# Assignment-1

PythonProgramming

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| --- | --- |
| AssignmentDate  Team ID | 19September2022  PNT2022TMID17475 |
| Team Member | Kalaivanan.V |
| Student RollNumber | 319UEC034 |
| <Marks | 2 Marks |

# Question-1:

Createaregistrationpageinhtmlwithusername,emailandphonenumber andbyusingpostmethoddisplayitinnexthtmlpage.

# 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():

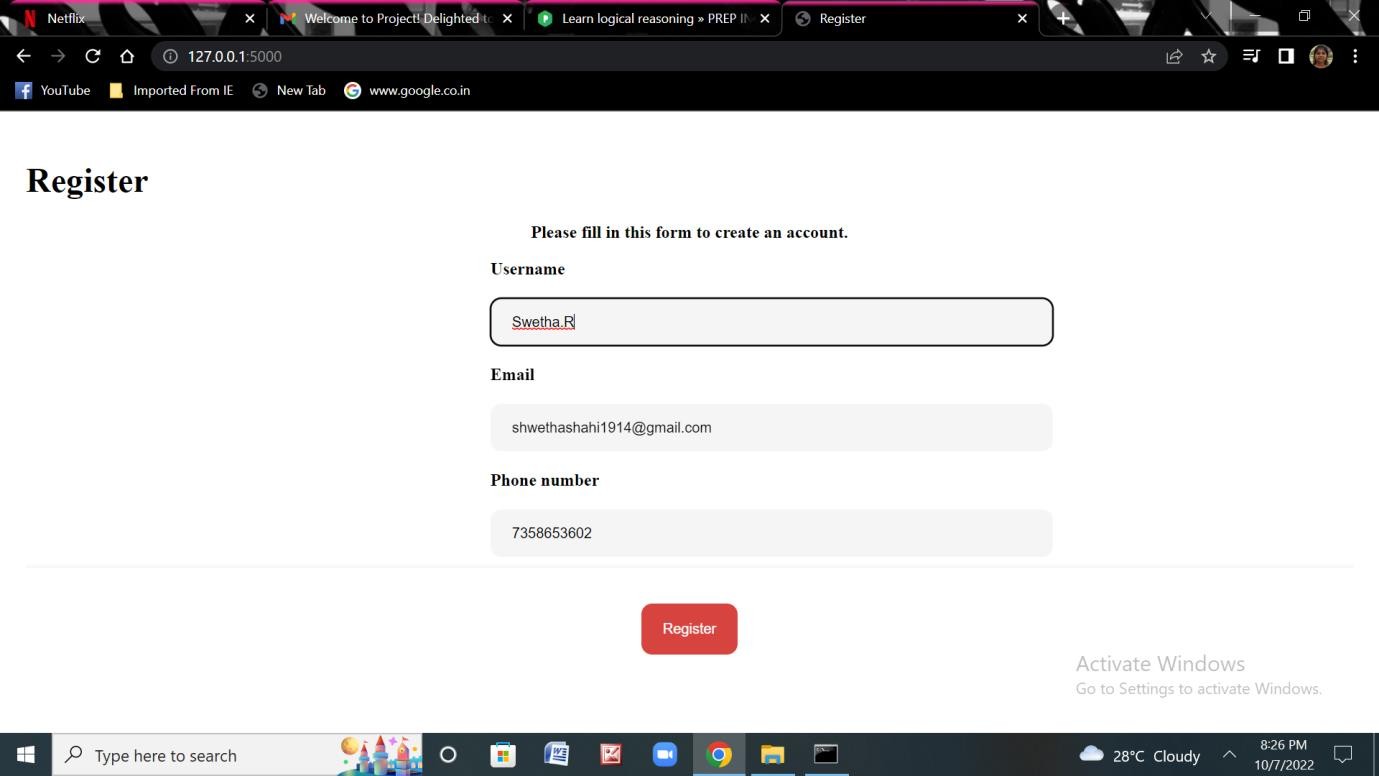
return render\_template("register.html")@app.route("/register",methods=["POST","GET"])defregister():

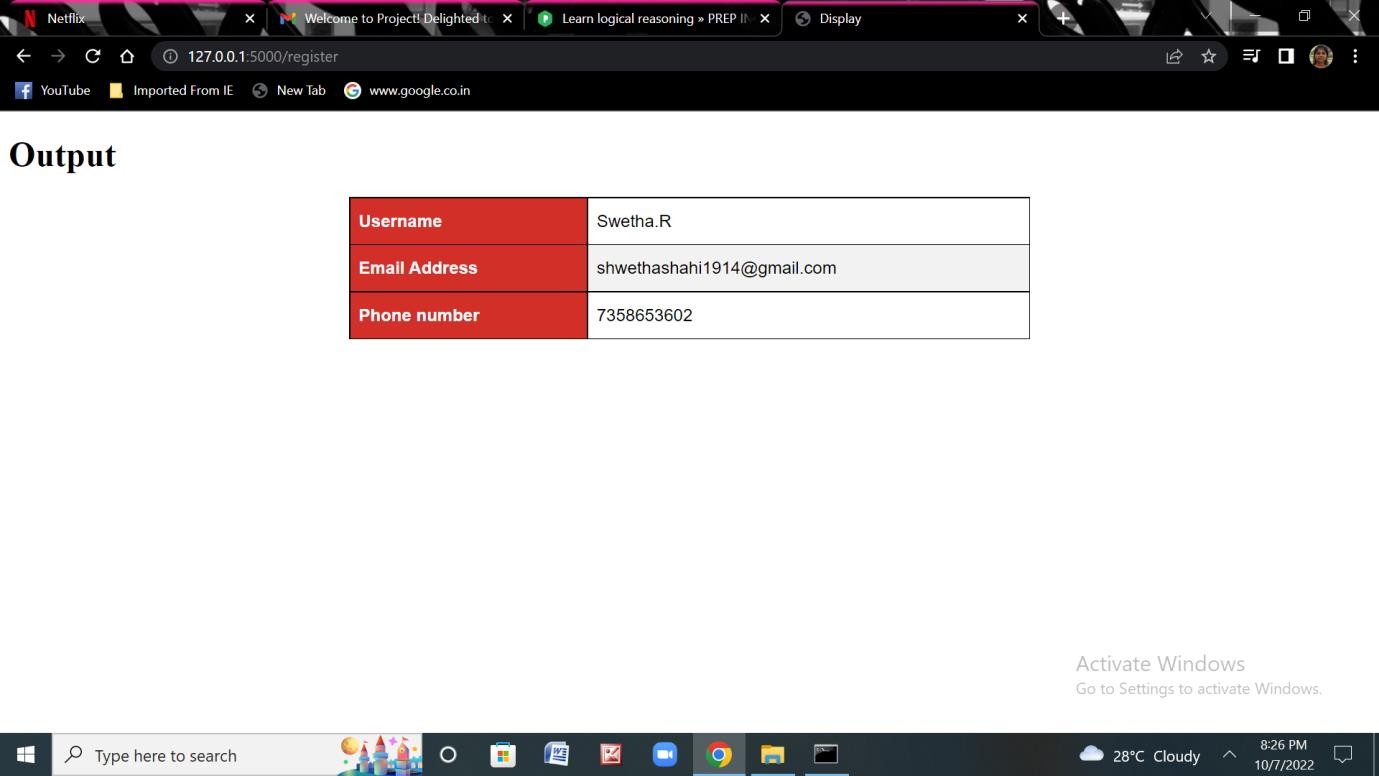
if request.method=="POST":username=request.form.get('username')email=request.form.get('email')phone=request.form.get('phone')

returnrender\_template("home.html",username=username,email=email,phone=phone)

ifname == 'main':app.run(debug=True)

# Output:





**Question-2:**

DevelopaflaskprogramwhichshouldI containatleast5packagesusedfrompypi.org.

# Packagesused:

1. render\_template
2. url\_for
3. redirect
4. request
5. abort

# Program:

**python\_packages.py**

fromflaskimportFlask,render\_template,request,redirect,url\_for,abort

app=Flask(name)

@app.route("/")defhome():

returnrender\_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"><br /><br />

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

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

<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">WelcomeAdministartor</h2><br/><br/>

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

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

updatingcontentandmore.Theymaywork withmanyclientsorforoneorganizationtodesign,programandmonitorwebsites.Specificresponsibilitiesinclude:</p>

<ul>

<li>Codingwebsites–themostpopularlanguagesincludeHTMLandJavaScript</li>

<li>Collaboratingwithdevelopmentteamstoprogramwebsites</li>

<li>Settinguptoolstomonitorwebsitetraffic</li>

<li>Analyzingwebsitetraffictoinformdesigndecisions</li>

</ul>

</body>

</html>

# Output:

