

Assignment -1
Python Programming

Assignment Date	19 September 2022
Student Name	Yazhini.S
Student Roll Number	311519205061
Maximum 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>Registration page</title>

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

</head>

<body>

<div class="center"><br /><br />

<form action="/register" method="POST">

<h1>Register</h1><br /><br />

<p> Enter username:</p>

<input type="text" name= "username" />

<p> Enter email:</p>

<input type="email" name="email"/>

<p> Enter Phone number:</p>

<input type="text" name="phone"/>

<br></br></br>

<input type="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>  
<body style="text-align:center">  
<h2>Welcome {{username}} </h2><br/><br/>  
<b>Username</b> - {{username}}<br/><br/>  
<b>Email Address</b> - {{email}}<br/><br/>  
<b>Phone number</b> - {{phone}}<br/><br/>  
</body>  
</html>
```

Register.py

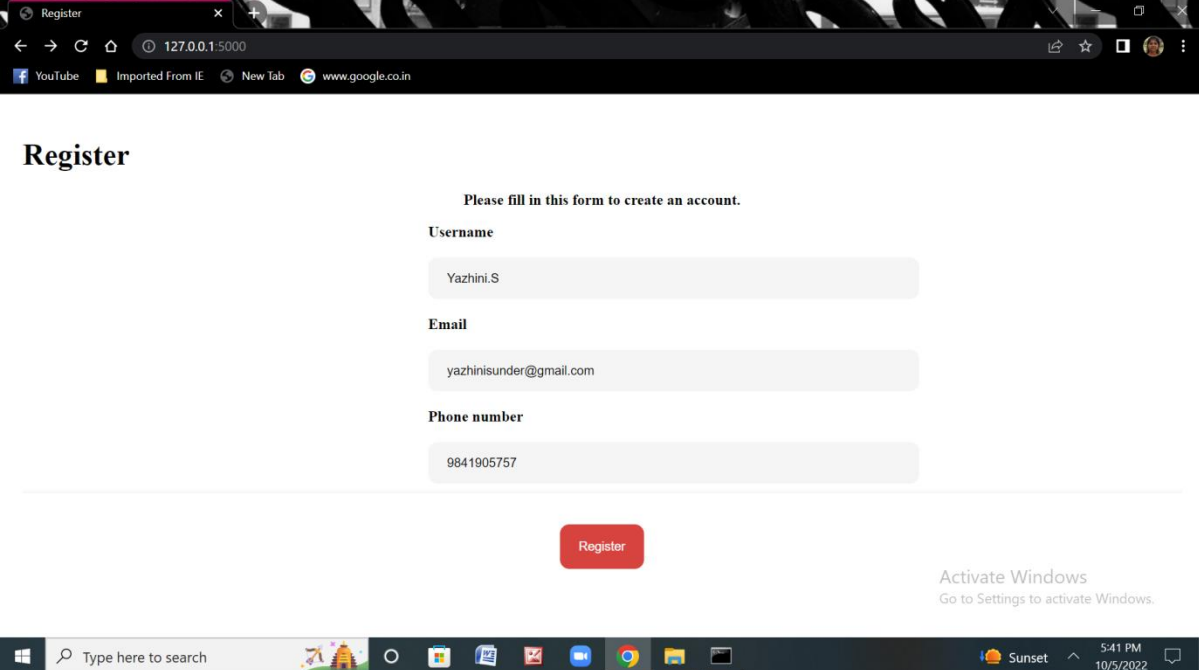
```
from flask import Flask,render_template,request  
app=Flask(__name__)  
@app.route("/")  
def home():
```

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

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

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

Output:



The screenshot shows a web browser window with the title 'Register'. The address bar shows the URL '127.0.0.1:5000'. The browser tabs include 'YouTube', 'Imported From IE', 'New Tab', and 'www.google.co.in'. The page content is a registration form with the heading 'Register' and a sub-heading 'Please fill in this form to create an account.' The form has three input fields: 'Username' with the value 'Yazhini.S', 'Email' with the value 'yazhinisunder@gmail.com', and 'Phone number' with the value '9841905757'. Below the input fields is a red 'Register' button. At the bottom right of the page, there is a 'Activate Windows' watermark with the text 'Go to Settings to activate Windows.' The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons. The system tray shows the date and time as '5:41 PM 10/5/2022'.

Register

Please fill in this form to create an account.

Username

Yazhini.S

Email

yazhinisunder@gmail.com

Phone number

9841905757

Register

Activate Windows
Go to Settings to activate Windows.



Output

Username	Yazhini.S
Email Address	yazhinisunder@gmail.com
Phone number	9841905757



Question-2:

Develop a flask program which should I contain atleast 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"])
def register():
    if request.method=="POST":
        username=request.form.get('username')
        email=request.form.get('email')
        phone=request.form.get('phone')
        if username=="admin":
            return redirect(url_for("admin_page"))
        return render_template("home.html",username=username,email=email,phone=phone)
```

```
@app.route("/admin")
def admin_page():
    return render_template("admin.html")
```

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

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

register.html

```
<html>
<head>
<title>Registration page</title>
```

```
<link rel="stylesheet" href="{{ url_for('static', filename='register.css') }}">
</head>
<body>
<div class="center"><br /><br />
<form action="/register" method="POST">
<h1>Register</h1><br /><br />
<p> Enter username:</p>
<input type="text" name="username" />
<p> Enter email:</p>
<input type="email" name="email"/>
<p> Enter Phone number:</p>
<input type="text" name="phone"/>
<br><br><br>
<input type="submit" value="submit" />

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

home.html

```
<!DOCTYPE html>
<html>
<head>
<title>Home</title>
</head>
<body style="text-align:center">
<h2>Welcome {{ username }} </h2><br><br>
<b>Username</b> - {{ username }}<br><br>
<b>Email Address</b> - {{ email }}<br><br>
<b>Phone number</b> - {{ phone }}<br><br>
```

</body>

</html>

admin.html

<html>

<head>

<title>Admin Login</title>

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

</head>

<body>

<div class="center">

<form action="/validate" method="POST">

<h2 style="text-align:center">Admin login</h2>

<p> Enter password:</p>

<input type="text" name="password"/>

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

<input type="submit" value="submit" />

</form>

</div>

</body>

</html>

admindashboard.html

<html>

<head>

<title>Admin</title>

</head>

<body>

<h2 style="text-align:center">Welcome Administartor </h2>

<p>Who is an administrator?</p></br>

<p>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:</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:



Admin login

Enter password:

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.