

**Assignment -1**  
Python Programming

Assignment Date	19 September 2022
Student Name	R.Sneha
Student Roll Number	311519205056
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():
```

```

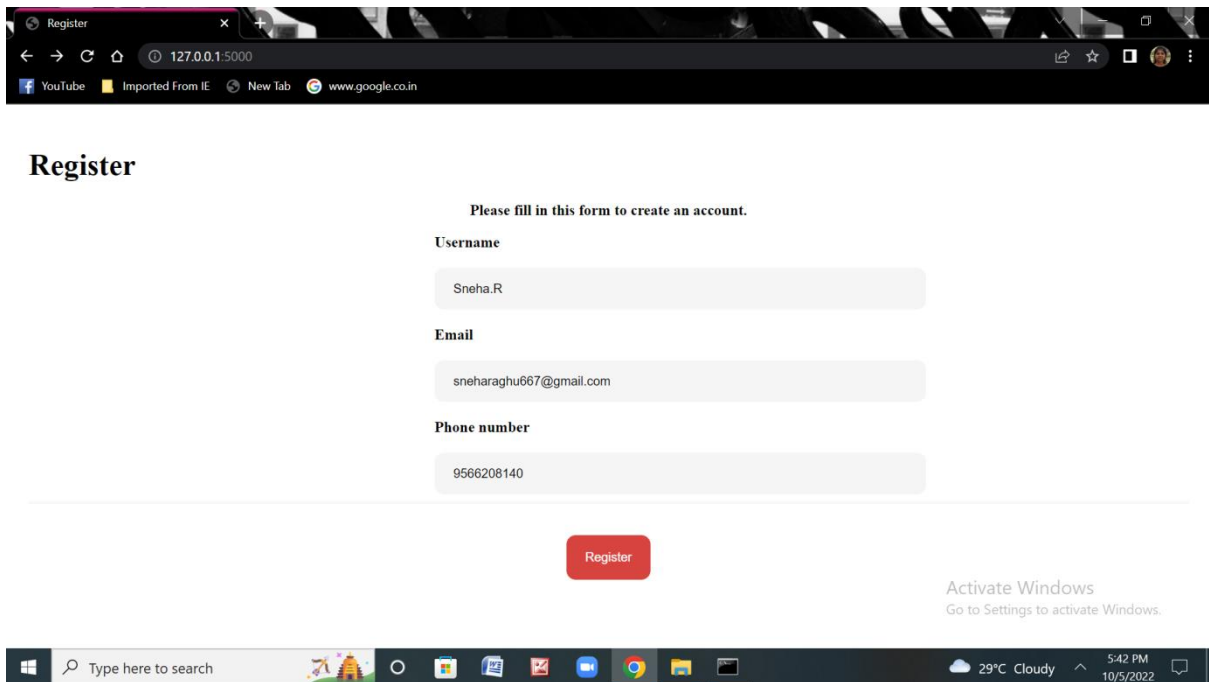
    return render_template("register.html")

@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 registration form is displayed with the following fields and values:

- Username:** Sneha.R
- Email:** sneharaghu867@gmail.com
- Phone number:** 9566208140

Below the form is a red 'Register' button. At the bottom of the browser window, there is a Windows taskbar with the search bar 'Type here to search', several application icons, and a system tray showing '29°C Cloudy', '5:42 PM', and '10/5/2022'. An 'Activate Windows' watermark is visible in the bottom right corner of the browser window.



## Output

Username	Sneha.R
Email Address	sneharaghu667@gmail.com
Phone number	9566208140



## 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"><br /><br />
<form action="/validate" method="POST">
<h2 style="text-align:center">Admin login</h2><br /><br />
<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><br/><br/>

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

<ul>

<li>Coding websites – the most popular languages include HTML and JavaScript</li>

<li>Collaborating with development teams to program websites</li>

<li>Setting up tools to monitor website traffic</li>

<li>Analyzing website traffic to inform design decisions</li>

</ul>

</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.