

### Assignment -1

Assignment Date	26 September 2022
Student Name	Nithya Sri V
Student Roll Number	311519205044
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 image shows two screenshots of a web browser. The top screenshot displays a registration form titled "Register" on a local host (localhost:5000). The form contains three input fields: "Enter username:" with the value "Nithya Sri", "Enter email:" with the value "nithya@gmail.com", and "Enter Phone number:" with the value "9475467423". A "submit" button is located below the phone number field. The bottom screenshot shows the confirmation page, titled "Welcome Nithya Sri", which displays the registered details: "Username - Nithya Sri", "Email Address - nithya@gmail.com", and "Phone number - 9475467423". Both screenshots show a browser address bar with "localhost:5000" and a tab titled "Coursera | Online C... SQL\_TCS".

localhost:5000

Coursera | Online C... SQL\_TCS

## Register

Enter username:

Enter email:

Enter Phone number:

---

localhost:5000/register

Coursera | Online C... SQL\_TCS

## Welcome Nithya Sri

Username - Nithya Sri

Email Address - nithya@gmail.com

Phone number - 9475467423

**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"])
```

```
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>
</body>
</html>

```

```
</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:

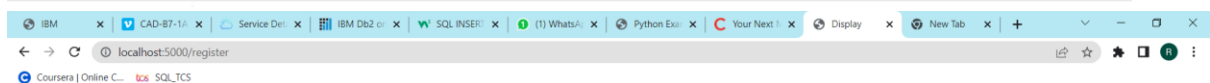


### Register

Enter username:

Enter email:

Enter Phone number:

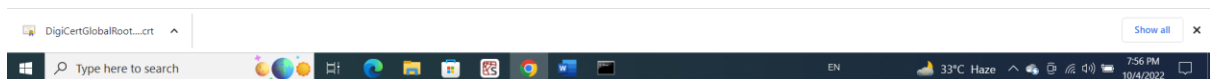


### Welcome Nithya Sri

**Username** - Nithya Sri

**Email Address** - nithya@gmail.com

**Phone number** - 9475467423





## 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.