Assignment -1

Assignment Date	19 September 2022
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Student Roll Number	311519205008
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
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Register</title>

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

</head>

<body>

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

        <div class="container">

            <center><h1>BLOOD PLASMA REGISTER</h1>

        <p><b>Please fill in this form to create an account.</b></p></center>

        <label class="form_label"for="email"><b>Username</b></label>

        <br><br>

        <input class="form_input"type="text" name="username"placeholder="Enter Username" name="username" id="username" required>

        <br><br>

        <label class="form_label"for="email"><b>Email</b></label>

        <br><br>

        <input class="form_input"type="text" name="email"placeholder="Enter Email" name="email" id="email" required>

        <br><br>
```

```html
        <label class="form_label"for="psw-repeat"><b>Phone number</b></label>

        <br><br>

        <input class="form_input"type="number" name="phonenumber"placeholder="Enter Phone
number" name="psw-repeat" id="psw-repeat" required>

        <hr>

        <center><button type="submit" class="submitbtn">Register</button></center>

      </div>

    </form>

</body>

</html>
```

style.css

```css
.container

{

  padding: 16px;

  background-color: white;

}

hr

{

  border: 1px solid #f1f1f1;

  margin-bottom: 25px;

}


/* Set a style for the submit button */

.submitbtn

{

    background-color: rgb(211, 47, 41);

    color: white;

    padding: 16px 20px;

    margin: 8px 0;

    border: none;

    cursor: pointer;

    opacity: 0.9;

    border-radius: 10px;
```

```css
    }

  .submitbtn:hover {
    opacity: 1;
  }

  /* Add a blue text color to links */
  a {
    color: dodgerblue;
  }
.form_label
{
  margin-left: 35%;
}
.form_input
{
  margin-left: 35%;
  width: 500px;
  height: 42px;
  padding-left: 20px;
  border-radius: 10px;
  border: none;
  background-color: whitesmoke;
}
#output {
  font-family: Arial, Helvetica, sans-serif;
  border-collapse: collapse;
  width: 50%;
}

#output td, #output th {
  border: 1px solid black;
```

```css
    padding: 8px;
}


#output tr:nth-child(even){background-color: #f2f2f2;}


#output tr:hover {background-color: #ddd;}


#output th {
  padding-top: 12px;
  padding-bottom: 12px;
  text-align: left;
  background-color: rgb(211, 47, 41);
  color: white;
}
```

result.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Display</title>
    <link rel="stylesheet" href="{{url_for('static', filename='style.css')}}">
</head>
<body>
    <center><h1>REGISTERED</h1>
    <table id="output">
        <tr>
            <th>Username</th>
            <td>{{username}}</td>
        </tr>
        <tr>
```

```html
        <th>Email Address</th>
        <td>{{email}}</td>
      </tr>
      <tr>
        <th>Phone number</th>
        <td>{{phonenumber}}</td>
      </tr>
    </table></center>
</body>
</html>
```

app.py

```python
from flask import Flask,render_template,request


app=Flask(__name__)


@app.route("/")
def home():
    return render_template("reg.html")


@app.route("/register",methods=["POST","GET"])
def register():
    if request.method=="POST":
        username=request.form.get('username')
        email=request.form.get('email')
        phonenumber=request.form.get('phonenumber')
        return
render_template("result.html",username=username,email=email,phonenumber=phonenumber)
if __name__== '_main_':
    app.run(debug=True)
```

Output:

BLOOD PLASMA REGISTER

Please fill in this form to create an account.

Username

anees

Email

ane@gmail.com

Phone number

4534356787

Register

REGISTERED

Username   anees
Email Address ane@gmail.com
Phone number 4534356787

Question-2:

Develop a flask program which should I contain atleast 5 packages used from pypi.org.

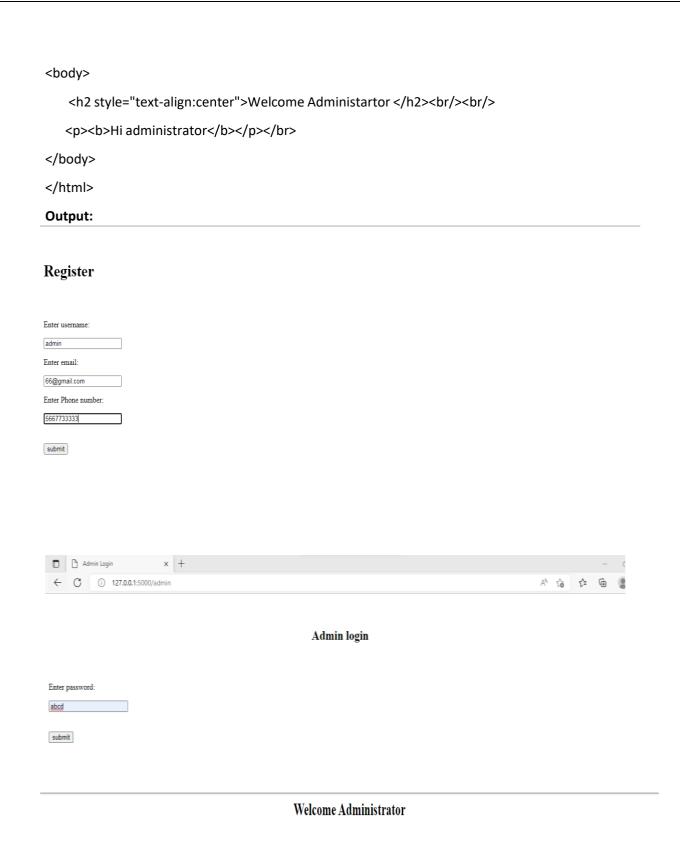**Packages used:**

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

Program :

app.py

```python
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")
```

```python
        else:
            abort(403)
if __name__ == '__main__':
    app.run(debug=True)
```

register.html

```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

```html
<!DOCTYPE html>
<html>
<head>
  <title>Home</title>
```

```html
    </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
<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
<html>

<head>

  <title>Admin</title>

</head>
```

```
<body>

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

    <p><b>Hi administrator</b></p></br>

</body>

</html>
```

Output:

Register

Enter username:

[admin]

Enter email:

[66@gmail.com]

Enter Phone number:

[5667733333]

[submit]

Admin login

Enter password:

[abcd]

[submit]

Welcome Administrator

Hi administrator