

Assignment -1
Python Programming

Assignment Date	19 September 2022
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Student Roll Number	311519205034
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

```
<!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>
```

```
<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

```
.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;
```

```
}
```

```
.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;
```

```
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

```
<!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>
```

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

app.py

```
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')
```

```
        phonenummer=request.form.get('phonenummer')
```

```
        return
```

```
render_template("result.html",username=username,email=email,phonenummer=phonenummer)
```

```
if __name__ == '__main__':
```

```
    app.run(debug=True)
```

Output:

localhost:5000

BLOOD PLASMA REGISTER

Please fill in this form to create an account.

Username

Enter Username

Email

Enter Email

Phone number

Enter Phone number

Register

localhost:5000/register

REGISTERED

Username	Krishandhini
Email Address	krishandhini1102@gmail.com
Phone number	7200485765

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 :**app.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 />

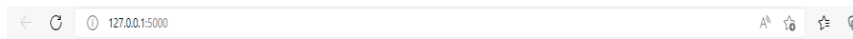
        <p> Enter password:</p>
        <input type="text" name="password"/>
        <br><br><br>
        <input type="submit" value="submit" />
    </form>
    </div>
</body>
</html>
```

admindashboard.html

```
<html>
<head>
    <title>Admin</title>
</head>
```

```
<body>
  <h2 style="text-align:center">Welcome Administartor </h2><br/><br/>
  <p><b>Hi administrator</b></p></br>
</body>
</html>
```

Output:



Register

Enter username:

Enter email:

Enter Phone number:



Admin login

Enter password:



Welcome Administartor

Hi administrator