

Assignment -1

Python Programming

Assignment Date	19 SEPTEMBER 2022
Student Name	ASHWIN S
Student Roll Number	1905009
Maximum Marks	2 Marks

Question-1:

1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.

Question-2:

2. Develop a flask program which should contain at least 5 packages used from pypi.org

Note: - Following application contains (Flask, render_template, url_for, redirect, request)

So both Questions have same Answers

Source Code:

App.py

```
app.py - Visual Studio Code [Administrator]
app.py
1 from tkinter.tix import Form
2 from flask import Flask, render_template, url_for, redirect, request
3
4 app = Flask(__name__)
5
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11 @app.route("/success/<name>/<phone>/<email>")
12 def success(name=None, phone=None, email=None):
13     return '<body style=" background-color: white; display: flex; flex-direction: column; align-items: center; justify-content: center;"><form style=" display: flex; flex-direction: column; align-items: center.'
14
15 @app.route("/login", methods = ['POST', 'GET'])
16 def login():
17     if request.method == 'POST':
18         user = request.form['name']
19         email = request.form['email']
20         phone = request.form['phone']
21         return redirect(url_for("success", name = user ,phone = phone ,email = email ))
22     else:
23         user = request.args.get("input_name")
24         return redirect(url_for("success", name=user))
25
26 if __name__ == '__main__':
27     app.run(debug=True)
28
```

index.html

```
index.html - SRC - Visual Studio Code [Administrator]

1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <link rel="stylesheet" href="/static/style.css">
9   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"
10     integrity="sha384-gH2yIJqKdRPPEgNpuLm/PqnLDDAnVaiOg55F3XWf/67YF25zPQyQVwZFRwlt" crossorigin="anonymous">
11   <title>Sign Up </title>
12 </head>
13
14 <body>
15
16   <form method="post" action="login">
17     <h1>Sign Up</h1>
18     <br>
19     <br>
20
21     <div class="mb-3">
22       <label for="name" class="form-label">Name</label>
23       <input type="text" class="form-control" id="name" name="name" placeholder="Enter your name here" required minlength="2">
24     </div>
25
26     <div class="mb-3">
27       <label for="exampleInputEmail" class="form-label">Email</label>
28       <input type="email" class="form-control" name="email" id="exampleInputEmail" placeholder="Enter your email here" required>
29     </div>
30
31     <div class="mb-3">
32       <label for="phone" class="form-label">Phone number</label>
33       <input type="text" class="form-control" name="phone" id="phone" placeholder="Enter your phone number here" required minlength="10" maxlength="10">
34     </div>
35     <br>
36     <br>
37     <button style="background-color: white; border-color: #dcdcdc; color: black;" type="submit" class="btn btn-primary">Submit</button>
38   </form>
39
40 </body>
41
42 </html>
```

Style.css

```
style.css - SRC - Visual Studio Code [Administrator]

1 static > # style.css > form
2
3 body{
4   background-color: #fff;
5   display: flex;
6   flex-direction: column;
7   align-items: center;
8   justify-content: center;
9 }
10
11 form{
12   display: flex;
13   flex-direction: column;
14   align-items: center;
15   justify-content: center;
16   background-color: #dcdcdc;
17   width: 400px;
18   height: 500px;
19   border-radius: 20px;
20   margin: 100px;
21 }
22
23 h2{
24   font-size: large;
25   font-weight: bold;
26 }
27
28 input{
29   width: 80% !important;
30 }
31
32 div{
33   display: flex;
34   align-items: center;
35   justify-content: center;
36   flex-direction: column;
37   width: 90%;
38 }
```

Output: -

Index Page:-

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000'. The main content area features a 'Sign Up' form with the following fields and values:

- Name: Ashwin S
- Email: ashwin.1905009@srec.ac.in
- Phone number: 9563254326
- Submit button

The browser's taskbar at the bottom shows the Windows logo, several application icons, and the system clock indicating 'ENG 03:51 PM'.

Login successful page:-

The screenshot shows a web browser window with the address bar displaying a success URL: '127.0.0.1:5000/success/Ashwin%20S/9563254326/ashwin.1905009%40srec.ac.in'. The main content area displays a 'Sign Up Completed' message with the following details:

- Details**
- Name: Ashwin S
- Email: ashwin.1905009@srec.ac.in
- Phone Number: 9563254326

The browser's taskbar at the bottom shows the Windows logo, several application icons, and the system clock indicating 'ENG 03:51 PM'.