

## ASSIGNMENT - 1

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 09 September 2022 |
| Student Name        | SENTHILVEL        |
| Student Roll Number | 9952258137        |
| Maximum Marks       | 2 Marks           |

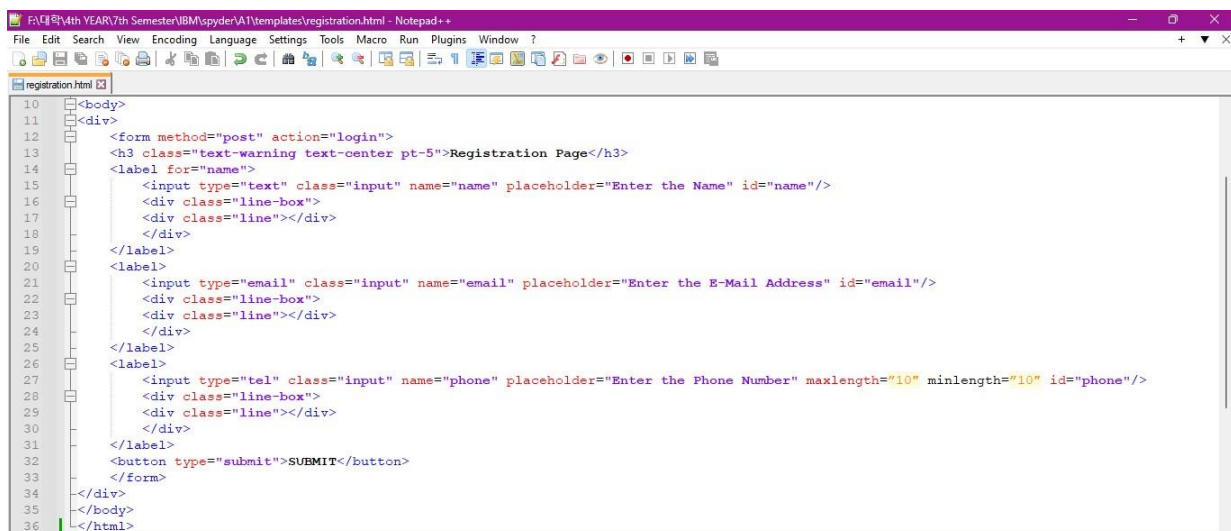
### QUESTION:

1. Create registration page in html with username, email, and phone number and by using POST method display it in next html page.
2. Develop a flask program which should contain at least 5 packages used from pypi.org.

### SOLUTION:

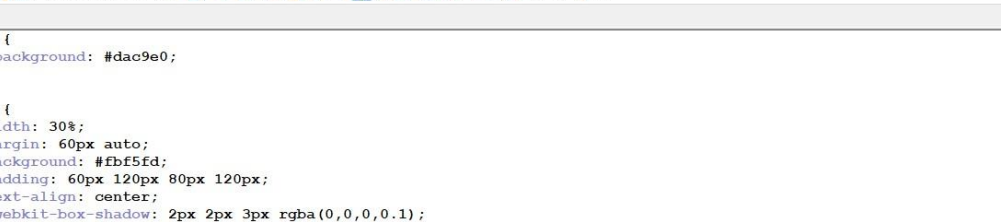
### INPUT:

### Registration.html



```
10 <body>
11 <div>
12   <form method="post" action="/login">
13     <h3 class="text-warning text-center pt-5">Registration Page</h3>
14     <label for="name">
15       <input type="text" class="input" name="name" placeholder="Enter the Name" id="name"/>
16       <div class="line-box">
17         <div class="line"></div>
18       </div>
19     </label>
20     <label>
21       <input type="email" class="input" name="email" placeholder="Enter the E-Mail Address" id="email"/>
22       <div class="line-box">
23         <div class="line"></div>
24       </div>
25     </label>
26     <label>
27       <input type="tel" class="input" name="phone" placeholder="Enter the Phone Number" maxlength="10" minlength="10" id="phone"/>
28       <div class="line-box">
29         <div class="line"></div>
30       </div>
31     </label>
32     <button type="submit">SUBMIT</button>
33   </form>
34 </div>
35 </body>
36 </html>
```

## Style.css



The screenshot shows a Notepad++ window with the title "F:\14\14th YEAR\7th Semester\IBM\style\AI\static\style.css - Notepad++". The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Tools, Macro, Run, Plugins, Window, and Help. The toolbar contains various icons for file operations and editing. The main text area displays the following CSS code:

```
1 body {
2     background: #dac9e0;
3 }
4
5 form {
6     width: 30%;
7     margin: 60px auto;
8     background: #fbf5fd;
9     padding: 60px 120px 80px 120px;
10    text-align: center;
11    -webkit-box-shadow: 2px 2px 3px rgba(0,0,0,0.1);
12    box-shadow: 2px 2px 3px rgba(0,0,0,0.1);
13 }
14 label {
15     display : block;
16     position : relative;
17     margin : 40px 0px;
18 }
19 .label-txt {
20     position : absolute;
21     top : -1.6em;
22     padding : 10px;
23     font-family : sans-serif;
24     font-size : .8em;
25     letter-spacing : 1px;
26     color : rgb(120, 120, 120);
27     transition : ease .3s;
28 }
29
30 .input {
31     width : 100%;
32     padding : 10px;
```

## App.py

The screenshot displays the Spyder Python IDE with a file named `app.py` open. The code is a Flask application that handles user registration and login. It uses Jinja2 for templating and WTForms for form validation. The application is configured to run in debug mode.

```

1 from flask import Flask, render_template, url_for, redirect, request
2
3 app = Flask(__name__)
4
5
6 @app.route('/')
7 def index():
8     return render_template("registration.html")
9
10 @app.route('/success<name><phone><email>')
11 def success(name=None, phone=None, email=None):
12     return "<body bgcolor=#f0f0f0><h2><center>SUCCESSFULLY REGISTERED</center></h2> <h2>Entered Details</h2><br><p><b> Name :</b> []</p><br><p><b> Phone :</b> []</p><br><p><b> E-Mail :</b> []</p></body></html>"
13
14 @app.route("/login", methods=['POST', 'GET'])
15 def login():
16     if request.method == 'POST':
17
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
23     else:
24         user = request.args.get("input_name")
25         return redirect(url_for("success", name=user))
26
27 if __name__ == '__main__':
28     app.run(debug=True)

```

The IDE interface includes a menu bar (File, Edit, Search, Source, Run, Debug, Consoles, Projects, Tools, View, Help), a toolbar with icons for file operations and execution, and a status bar at the bottom showing the current interpreter (internal Python 3.8.10) and other details like line and column numbers.

## Command Prompt

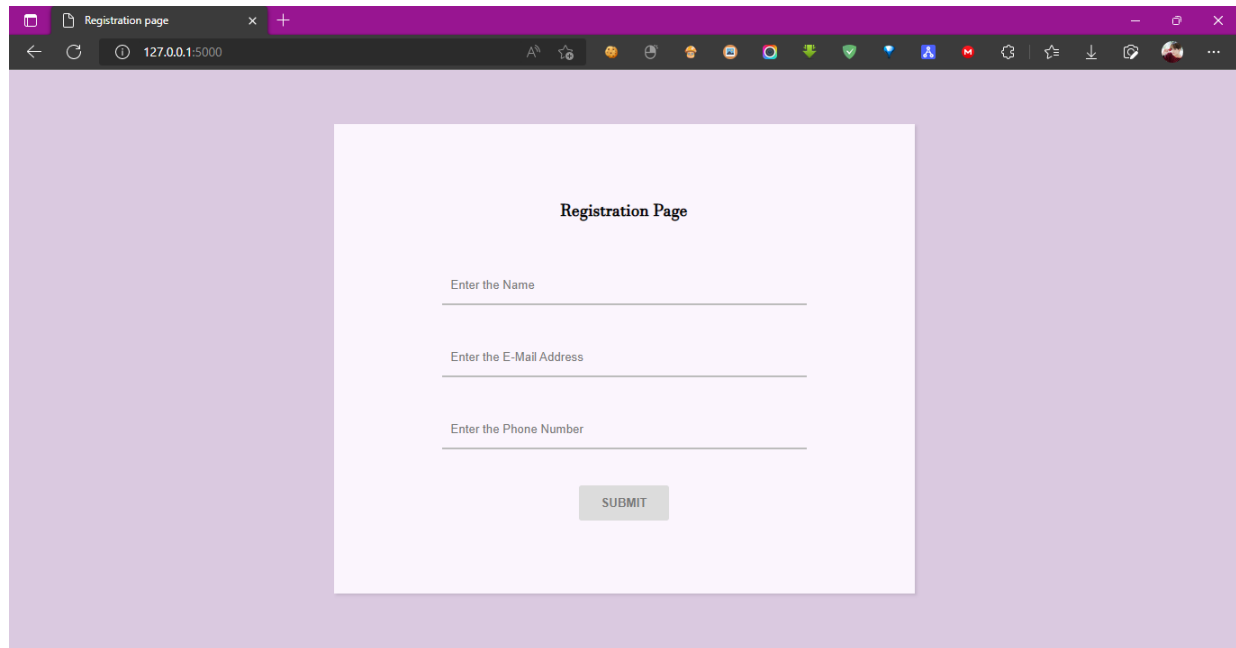
```
Administrator: Command Prompt - python app.py
Microsoft Windows [Version 10.0.22621.674]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>F:

F:\>cd F:\대학\4th YEAR\7th Semester\IBM\spyder\A1

F:\대학\4th YEAR\7th Semester\IBM\spyder\A1>python app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 413-509-815
127.0.0.1 - - [19/Oct/2022 15:08:38] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [19/Oct/2022 15:08:39] "GET /static/style.css HTTP/1.1" 200 -
127.0.0.1 - - [19/Oct/2022 15:08:40] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [19/Oct/2022 15:20:01] "POST /login HTTP/1.1" 302 -
127.0.0.1 - - [19/Oct/2022 15:20:01] "GET /success/Nanditha%20Sree%208/9361470984/nandithasreeb.ug19.it%40francisxavier.ac.in HTTP/1.1" 200 -
```

## OUTPUT:



Registration page

127.0.0.1:5000

### Registration Page

Nandhitha Sree B

nandhithasreeb.ug19.it@franciscxavier.ac.in

9361470984

SUBMIT

127.0.0.1:5000/success/Nandhitha

127.0.0.1:5000/success/Nandhitha%20Sree%20B/9361470984/na...

### SUCCESSFULLY REGISTERED

#### Entered Details

Name : Nandhitha Sree B

Phone : 9361470984

E-Mail : nandhithasreeb.ug19.it@franciscxavier.ac.in