

## ASSIGNMENT - 1

|               |                                 |
|---------------|---------------------------------|
| Date          | 11 September 2022               |
| Team ID       | PNT2022TMID54057                |
| Project Name  | Nutrition Assistant Application |
| Maximum Marks | 2 Marks                         |

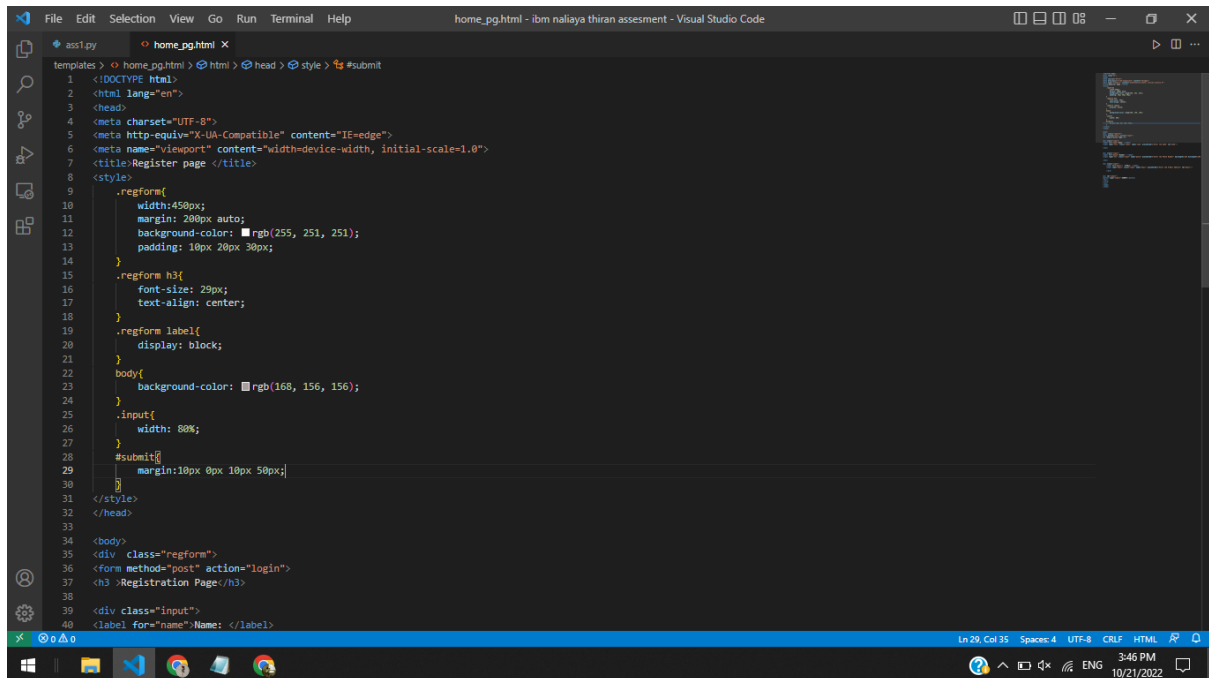
### QUESTION :

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 :

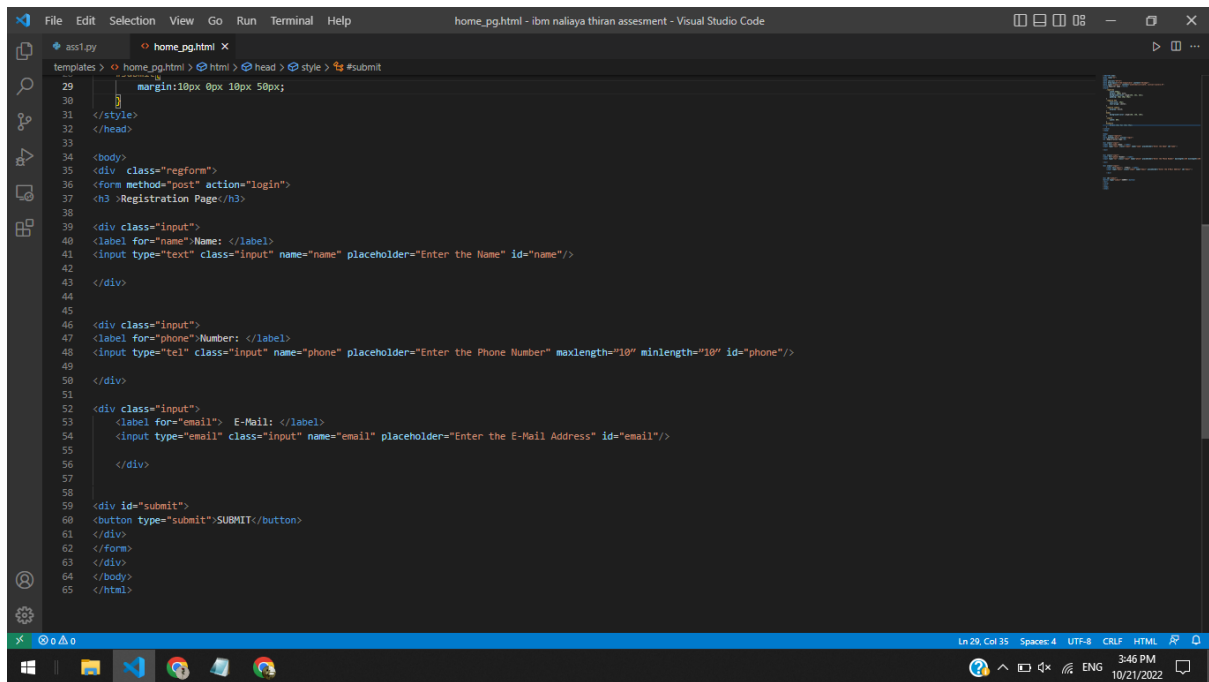
#### INPUT :

#### Home\_pg.html :



```
File Edit Selection View Go Run Terminal Help
home_pg.html - itm naliya thiran assesment - Visual Studio Code

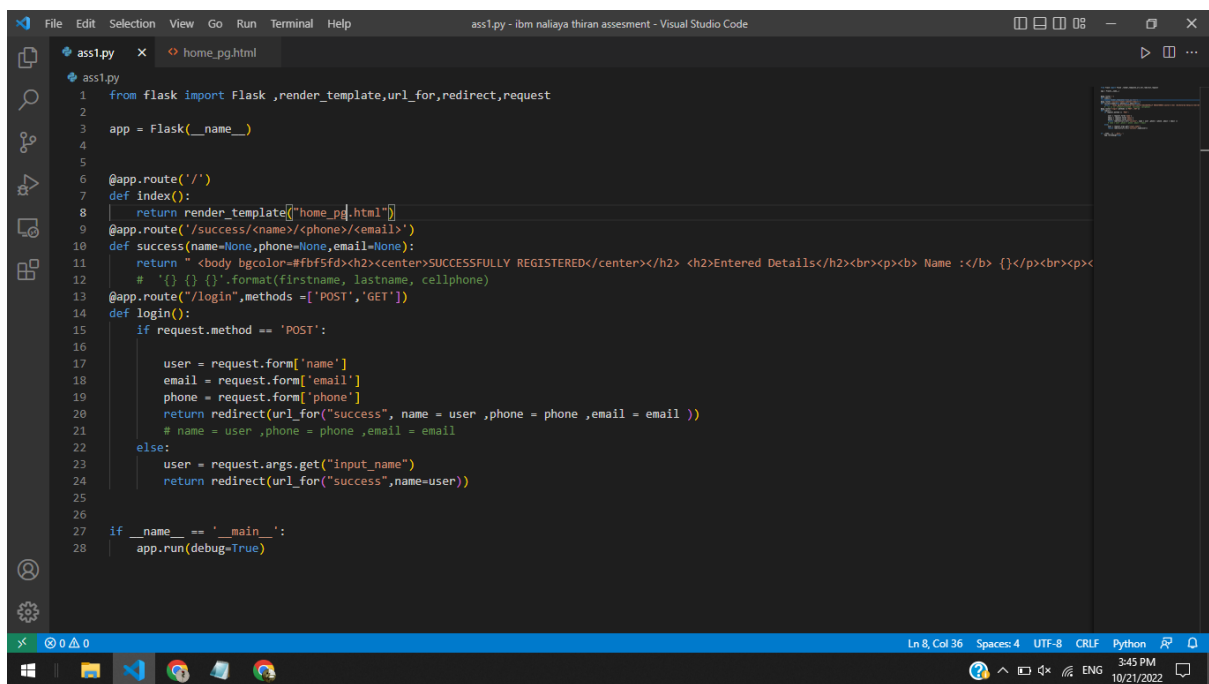
templates > home_pg.html > html > head > style > #submit
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>Register page </title>
8 <style>
9 .regform{
10 width:450px;
11 margin: 200px auto;
12 background-color: #rgb(255, 251, 251);
13 padding: 10px 20px 30px;
14 }
15 .regform h3{
16 font-size: 29px;
17 text-align: center;
18 }
19 .regform label{
20 display: block;
21 }
22 body{
23 background-color: #rgb(168, 156, 156);
24 }
25 .input{
26 width: 80%;
27 }
28 #submit{
29 margin:10px 0px 10px 50px;
30 }
31 </style>
32 </head>
33
34 <body>
35 <div class="regform">
36 <form method="post" action="login">
37 <h3>Registration Page</h3>
38
39 <div class="input">
40 <label form="name">Name: </label>
```



The screenshot shows the Visual Studio Code editor with the file 'home\_pg.html' open. The code is an HTML document for a registration page. It includes a head section with a meta charset and a style tag for a margin. The body contains a form with three input fields: Name, Phone Number, and E-Mail, each with a label and a placeholder. A submit button is at the bottom of the form. The status bar at the bottom indicates the file is at line 29, column 35, using UTF-8 encoding and CRLF line endings.

```
File Edit Selection View Go Run Terminal Help home_pg.html - ibm naliaya thiran assesment - Visual Studio Code
templates > home_pg.html > html > head > style > #submit
29 margin:10px 0px 10px 50px;
30
31 </style>
32 </head>
33
34 <body>
35 <div class="regform">
36 <form method="post" action="login">
37 <h3>Registration Page</h3>
38
39 <div class="input">
40 <label for="name">Name: </label>
41 <input type="text" class="input" name="name" placeholder="Enter the Name" id="name"/>
42 </div>
43
44
45 <div class="input">
46 <label for="phone">Number: </label>
47 <input type="tel" class="input" name="phone" placeholder="Enter the Phone Number" maxlength="10" minlength="10" id="phone"/>
48 </div>
49
50
51 <div class="input">
52 <label for="email"> E-Mail: </label>
53 <input type="email" class="input" name="email" placeholder="Enter the E-Mail Address" id="email"/>
54 </div>
55
56
57 <div id="submit">
58 <button type="submit">SUBMIT</button>
59 </div>
60 </form>
61 </div>
62 </div>
63 </body>
64 </html>
65
Ln 29, Col 35 Spaces: 4 UTF-8 CRLF HTML
```

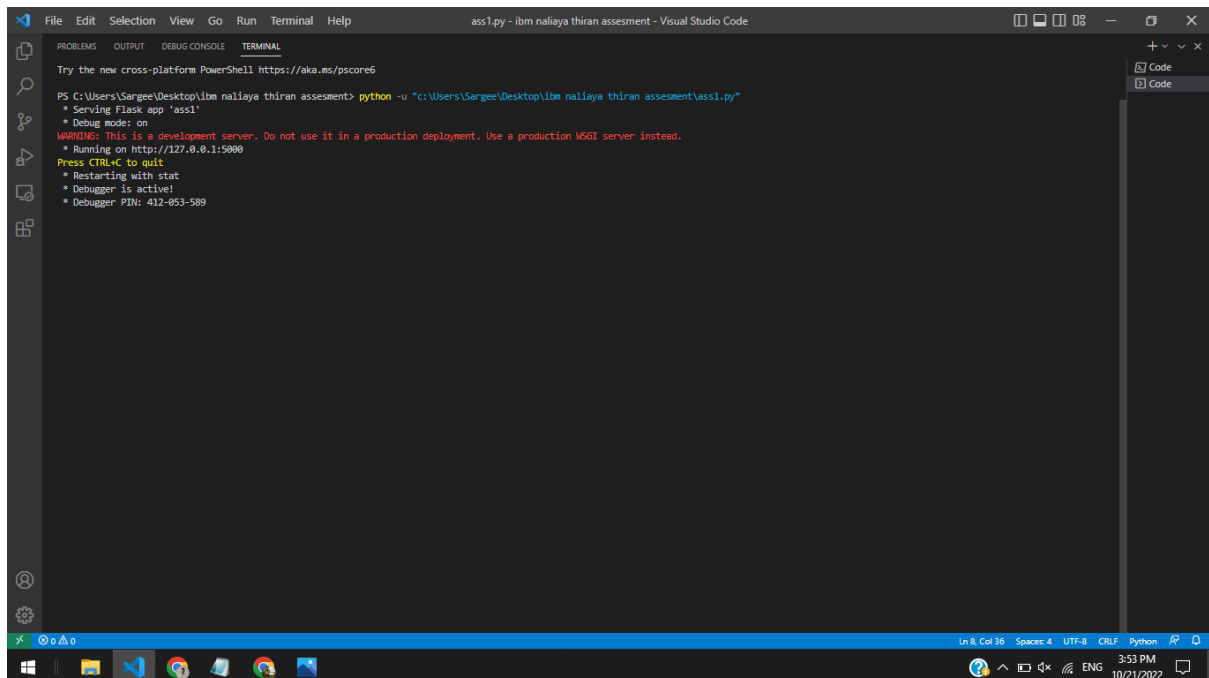
Ass1.py :



The screenshot shows the Visual Studio Code editor with the file 'ass1.py' open. The code is a Python script using the Flask web framework. It defines an application 'app' and two routes: 'index' and 'login'. The 'index' route renders the 'home\_pg.html' template. The 'login' route handles POST requests by extracting form data (name, phone, email) and redirecting to the 'success' route. The 'success' route is also defined, showing a success message and the entered details. The status bar at the bottom indicates the file is at line 8, column 36, using UTF-8 encoding and CRLF line endings.

```
File Edit Selection View Go Run Terminal Help ass1.py - ibm naliaya thiran assesment - Visual Studio Code
ass1.py
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("home_pg.html")
9
10 @app.route('/success/<name></phone></email>')
11 def success(name=None,phone=None,email=None):
12     return " <body bgcolor=#fbf5fd><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>"
13
14 @app.route("/login",methods =['POST','GET'])
15 def login():
16     if request.method == 'POST':
17         user = request.form['name']
18         email = request.form['email']
19         phone = request.form['phone']
20         return redirect(url_for("success", name = user ,phone = phone ,email = email ))
21         # 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
27 if __name__ == '__main__':
28     app.run(debug=True)
29
Ln 8, Col 36 Spaces: 4 UTF-8 CRLF Python
```

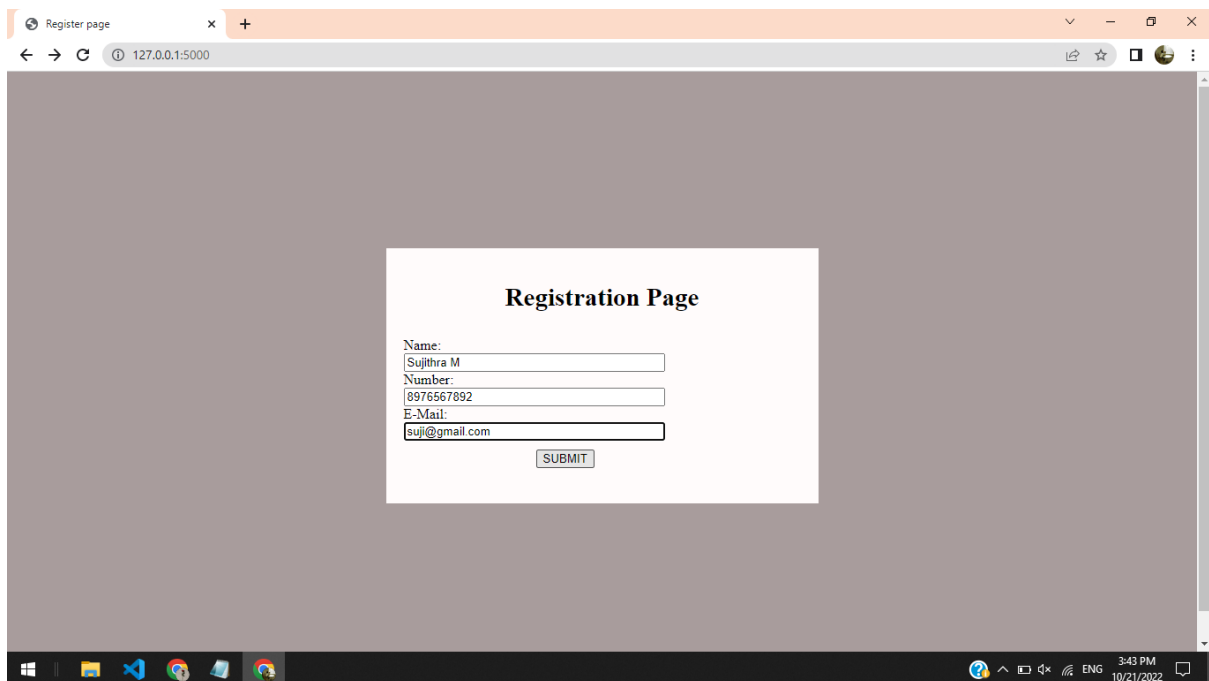
## Terminal:



The screenshot shows a Visual Studio Code window with a terminal open. The terminal output is as follows:

```
PS C:\Users\Sargee\Desktop\ibm naliaya thiran assesment> python -u "c:\Users\Sargee\Desktop\ibm naliaya thiran assesment\ass1.py"
* Serving Flask app 'ass1'
* 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: 412-053-589
```

## Output :



The screenshot shows a web browser window with a single tab titled "Register page". The address bar shows the URL "127.0.0.1:5000". The page content is a registration form with the following fields and values:

| Registration Page                     |                |
|---------------------------------------|----------------|
| Name:                                 | Sujithra M     |
| Number:                               | 8976567892     |
| E-Mail:                               | suji@gmail.com |
| <input type="button" value="SUBMIT"/> |                |

