

ASSIGNMENT-2

Date	24 September 2022
Team ID	PNT2022TMID49588
Project Name	Project - Personal Expense Tracker
Team Member Name	Pavithra M

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

HTML CODE:

```
<html>
<head>
<title>Form</title>

</head>
<body>
  <form action = "/register" method = "post">
    <p> Enter name:<input type = "text" name = "user" /></p>
    <p> Enter email:<input type = "text" name= "email" /></p>
    <p> Enter mobile number:<input type = "number" name= "number" /></p>
    <p><input type = "submit" value = "submit" /></p>
  </form>
  <b>{{y}}</b>
</body>
</html>
```

Python Code:

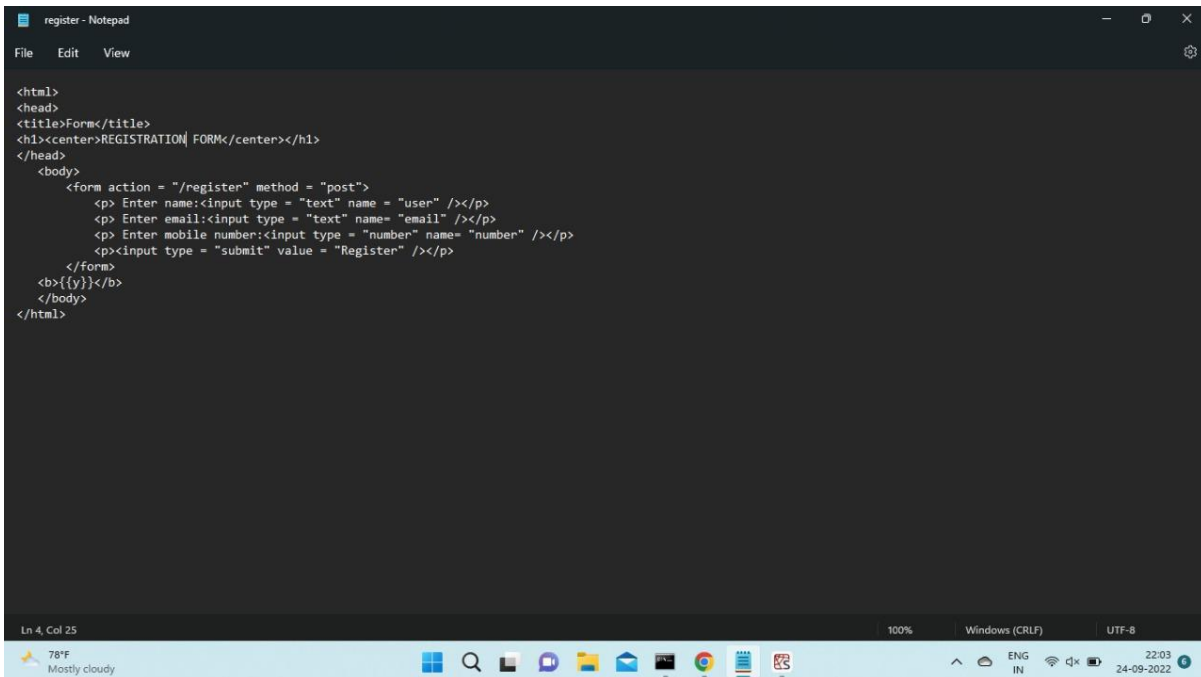
```
From flask import Flask, render_template, redirect, request
App = Flask(__name__)
```

```
@app.route('/')
Def home():
  Return 'welcome <a href="/register"> click here </a>'
```

```
@app.route('/register',methods = ['POST', 'GET'])
Def register():
  If request.method == 'POST':
    User = request.form['user']
    Mail = request.form['email']
    Number = request.form['number']
    Return redirect('/')
  Return render_template("register.html")
```

```
If __name__ == '__main__':  
    App.run(debug=True)
```

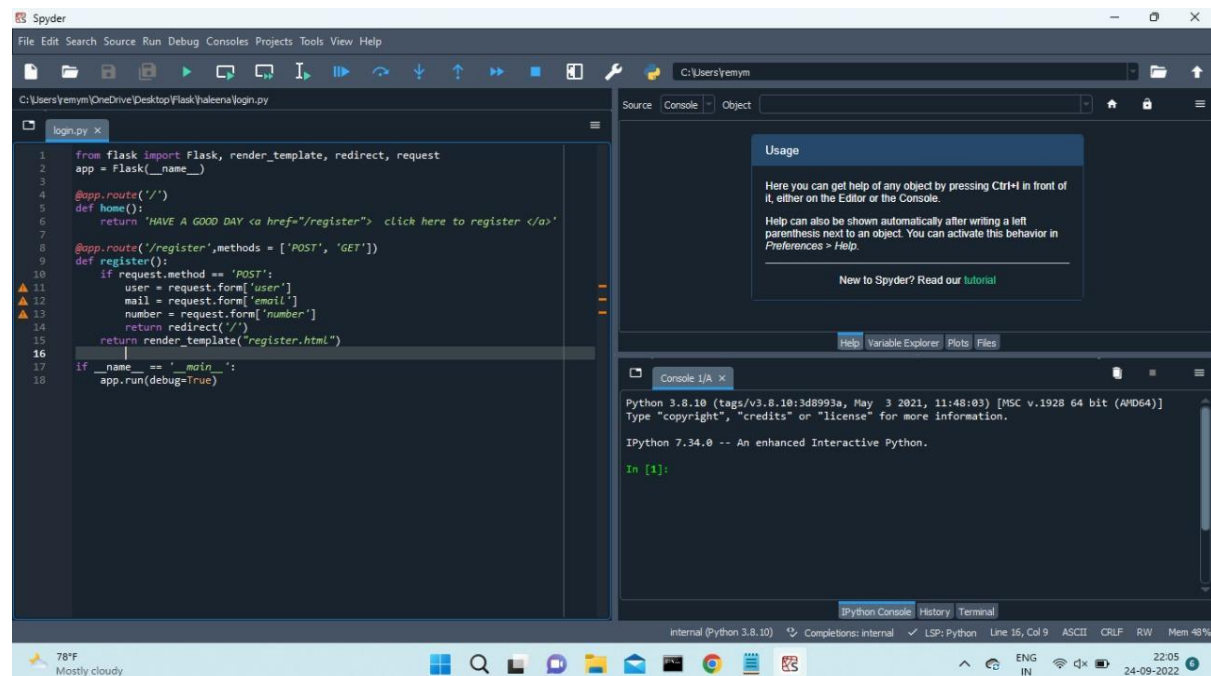
HTML CODE:



The screenshot shows a Notepad window titled "register - Notepad". The code is an HTML document for a registration form. It includes a title "Form" and a heading "REGISTRATION FORM". The form has three input fields for "user", "email", and "number", and a "Register" submit button. The code is as follows:

```
<html>  
<head>  
<title>Form</title>  
<h1><center>REGISTRATION FORM</center></h1>  
</head>  
<body>  
  <form action = "/register" method = "post">  
    <p> Enter name:<input type = "text" name = "user" /></p>  
    <p> Enter email:<input type = "text" name = "email" /></p>  
    <p> Enter mobile number:<input type = "number" name= "number" /></p>  
    <p><input type = "submit" value = "Register" /></p>  
  </form>  
  <b>{{y}}</b>  
</body>  
</html>
```

PYTHON CODE:



The screenshot shows the Spyder Python IDE. The main editor displays a Python file named "login.py" with the following code:

```
1 from flask import Flask, render_template, redirect, request  
2 app = Flask(__name__)  
3  
4 @app.route('/')  
5 def home():  
6     return 'HAVE A GOOD DAY <a href="/register"> click here to register </a>'  
7  
8 @app.route('/register', methods = ['POST', 'GET'])  
9 def register():  
10     if request.method == 'POST':  
11         user = request.form['user']  
12         mail = request.form['email']  
13         number = request.form['number']  
14         return redirect('/')  
15     return render_template("register.html")  
16  
17 if __name__ == '__main__':  
18     app.run(debug=True)
```

The right-hand pane shows the "Console" tab with the following output:

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]  
Type "copyright", "credits" or "license()" for more information.  
IPython 7.34.0 -- An enhanced Interactive Python.  
In [1]:
```

OUTPUT:



A screenshot of a web browser window displaying a login form. The address bar shows the URL "127.0.0.1:5000/login". The form contains the following elements:
- A label "Enter name:" followed by a text input field containing "pavithra".
- A label "Enter email:" followed by a text input field containing "pavisree@gmail.com".
- A label "Enter mobile number:" followed by a text input field containing "8379290927".
- A "submit" button located below the mobile number field.



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

PYTHON CODE:

```
Import camelcase
From jinja2 import Template
Import requests
From flask import Flask
From datetime import *
From dateutil.relativedelta import *
Import numpy as np

#camelcase
C = camelcase.CamelCase()
Txt = "hi buddyy , wanna hangout?"
Print("    CAMELCASE    ")
Print(c.hump(txt))
Print("\n")

#numpy
Arr1 = np.array([1, 2, 3, 4, 5])
Arr2 = np.array([2, 4, 5, 6, 7])
Print("    NUMPY    ")
Print(arr1+ arr2)
Print(type(arr2))
Print("\n")

#datetutil
Print("    DATEUTIL    ")
Now = datetime.now()
Print(now)
Print("\n")

#jinja2
Template = """hostname {{ hostname }}"""
Data = {"hostname": "core-sw-waw-01"}
J2_template = Template(template)
Print("    JINJA2    ")
Print(j2_template.render(data))
Print("\n")

#requests
R = requests.get('https://www.netflix.com/in/')
r.status_code
print("    REQUESTS    ")
print(r.headers)
```

print("\n")
OUTPUT:

```
Administrator: Command Prompt

C:\Users\remym\OneDrive\Desktop\Flask\as-2>python pypi.py
CAMELCASE
Hi Buddy , Wanna Hangout?

NUMPY
[ 3  6  8 10 12]
<class 'numpy.ndarray'>

DATEUTIL
2022-09-25 09:26:59.030124

JINJA2
hostname core-sw-naw-01

REQUESTS
{'Server': 'nq_website_nonmember-prod-release df95006e-35bb-412d-9b44-a10610993df3', 'x-frame-options': 'DENY', 'content-type': 'text/html; charset=utf-8', 'cache-control': 'no-cache, no-store, must-revalidate', 'pragma': 'no-cache', 'expires': '0', 'x-robots-tag': 'index', 'date': 'Sun, 25 Sep 2022 03:57:00 GMT', 'x-envoy-upstream-service-time': '379', 'x-b3-traceid': '8511e90402f3e246', 'x-request-id': '0036cfa6-37b3-46cb-8b35-e7e09a6f2c14', 'x-envoy-decorator-operation': 'lo_svc', 'transfer-encoding': 'chunked', 'Via': '1.1 l-01e78101a1620b220 (eu-west-1)', 'X-Xss-Protection': '1; mode=block; report=https://www.netflix.com/ichnaea/log/freeform/xssreport', 'X-Content-Type-Options': 'nosniff', 'Strict-Transport-Security': 'max-age=31536000; includeSubDomains', 'X-Originating-URL': 'http://www.netflix.com/in/', 'Set-Cookie': 'flusssn=8602fbb5-2677-43b2-ae72-b81ee2ab23f2; Max-Age=10800; Domain=.netflix.com; Path=/; nfvdid=8QFmAEBEPaoorT08mYx1f58ey9QyFzAtS93kh8udsv-iefV-kdwz691KRUGJxYVLn1CYmLfdHw-DyDkAm1U455a5yJHzUjua4tU_5g82Y8RZBdg7VY9AX3D%3D; Domain=.netflix.com; Path=/; Max-Age=31536000, SecureNetflixId=v%3D2%26mac%3DAQAEAEQABABToVagf21LTG94FDGOvcJVU1w_fwEO10FY.%26dt%3D1664078220838; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 03:57:00 GMT; Path=/; HttpOnly; Secure; SameSite=Strict, NetflixId=v%3D2%26ct%3DBQAQAAEABEA-1JMDER31fub8xGYMRJtCBANjByXEkyqI6XPCjvgUViK8ad1Wah2uR49LNjNFkbsyJRe5F3LX13MGzGfjOnvZyF5Rj287blvt2PdLYF-wIEVzahaLHj_0_7TotGIAVoM3jD2hSURJhZf_1V6KqmEQ8wbte2pyMMwApZ3OU28yLLHM2aE-tbhAUy1jln18tzGMS-7Lxycy132w-UJ_tAB2yJjD6Y2qRu9sBwCur7LRwh8TBG3aZhe0_40SpkYkvYAfQpmaiAi21xe7WlqqFiTLKGQxMo405M3rHSZ9j4UZrT4_Ej59z5MTuZECugmDUeW-d7DmNwLjtKsTtosbKHpUqpQldDDopArtJEGHX-xz-09Y.%26bt%3Ddev%26mac%3DAQAEAEABABQFJ2nONfhc6FaffIMfSlf2KiMdn3U10g.; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 03:57:00 GMT; Path=/; HttpOnly; Secure; SameSite=Lax, memclid=c3ce1451-78c6-48bc-8de7-d09ed43d1b53; Max-Age=31536000; Expires=Mon, 25 Sep 2023 03:57:00 GMT; Path=/; Domain=.netflix.com', 'Content-Encoding': 'gzip', 'X-Netflix.nfstatus': '1_1', 'X-Netflix.proxy.execution-time': '602'}

C:\Users\remym\OneDrive\Desktop\Flask\as-2>
```