

ASSIGNMENT-2

Date	25/09/2022
Team ID	PNT202022TMID49558
Project Name	Plasma Donor Application
Team Member Name	Karpagam. B

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

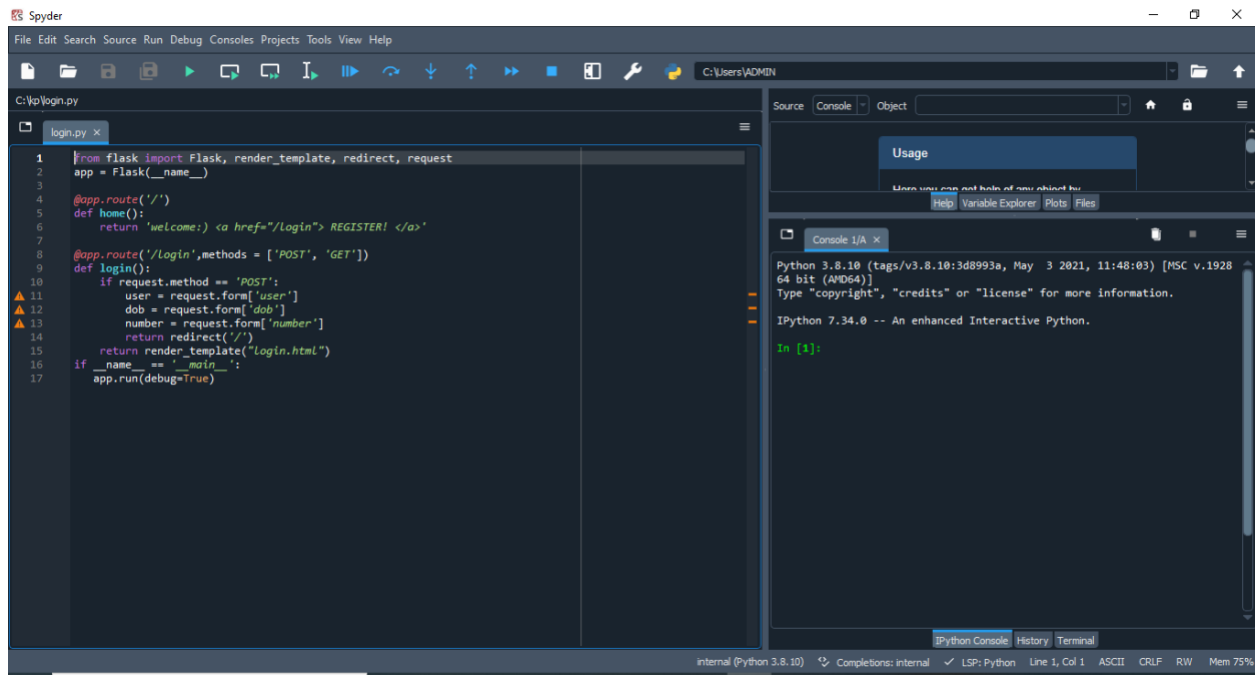
Login.py(python code)

```
from flask import Flask, render_template, redirect, request
app = Flask(__name__)
@app.route('/')
def home():
    return 'welcome:) <a href="/login"> REGISTER! </a>'
@app.route('/login',methods = ['POST', 'GET'])
def login():
    if request.method == 'POST':
        user = request.form['user']
        dob = request.form['dob']
        number = request.form['number']
        return redirect('/')
    return render_template("login.html")
if __name__ == '__main__':
    app.run(debug=True)
```

HTML CODE:

```
<html>
<head>
<title>Registration Page</title>
```

```
</head>
<body>
    <form action = "/login" method = "post">
        <label>
            <p>NAME: <input type = "text" name = "user" /></p><p> D.O.B :
            <input type = "date" name= "dob" /></p>
            <p> MOBILE NUMBER : <input type = "number" name= "number" /></p>
        </label>
        <p><input type = "submit" value = "REGISTER" /></p>
    </form>
<b></b>
</body>
</html>
```



```
C:\kp\templates\login.html
login.html x
1 <html>
2 <head>
3 <title>Registration Page</title>
4 </head>
5 <body>
6 <form action = "/Login" method = "post">
7 <label>
8 <p>NAME: <input type = "text" name = "user" /></p>
9 <p> D.O.B :
10 <input type = "date" name= "dob" /></p>
11 <p> MOBILE NUMBER : <input type = "number" name= "number" /></p>
12 </label>
13 <p><input type = "submit" value = "REGISTER" /></p>
14 </form>
15 <b></b>
16 </body>
17 </html>
```



Registration Page

127.0.0.1:5000/login

NAME:

D.O.B :

MOBILE NUMBER :

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

Pypi.org

```
import camelcase
```

```
from jinja2 import Template
```

```
import requests
```

```
from flask import Flask
```

```
import click
```

```
import numpy as np
```

```
#numpy
```

```
arr = np.array([1, 2, 3, 4, 5])
```

```
print(" NUMPY ")
```

```
print(arr)
```

```
print(type(arr))
```

```
print("\n")
```

```
#click

print(" CLICK ")

@click.command()

@click.argument('_name_',default='guest')

def hello(name):

    click.echo(f'Hello{name}')


```

```
#requests i

r = requests.get('https://api.spotify.com/')

r.status_code

print(" REQUESTS ")

print(r.headers)

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")

#camelcase

c = camelcase.CamelCase()

txt = "lorem ipsum dolor sit amet"

print(" CAMELCASE ")

print(c.hump(txt))

print("\n")

if __name__ == '__main__'
```

hello()

The screenshot shows the Spyder IDE interface. The main editor displays a Python script named `pypl.py` with the following code:

```
1 import camelcase
2 from jinja2 import Template
3 import requests
4 from flask import Flask
5
6 import click
7 import numpy as np
8 #numpy
9 arr = np.array([1, 2, 3, 4, 5])
10 print(" NUMPY ")
11 print(arr)
12 print(type(arr))
13 print("\n")
14 #click
15 print(" CLICK ")
16 @click.command()
17 @click.argument('_name_', default='guest')
18 def hello(name):
19     click.echo(f'Hello{name}')
20
21 #requests
22 r = requests.get('https://api.spotify.com/')
23 r.status_code
24 print(" REQUESTS ")
25 print(r.headers)
26 print("\n")
27 #jinja2
28 template = """hostname {{ hostname }}"""
29 data = {"hostname": "core-sw-waw-01"}
30 j2_template = Template(template)
31 print(" JINJA2 ")
32 print(j2_template.render(data))
33 print("\n")
34 #camelcase
35 c = camelcase.CamelCase()
36 txt = "Lorem ipsum dolor sit amet"
```

The console on the right shows the execution of the script, which results in a `ModuleNotFoundError: No module named 'camelcase'`. A warning box is displayed with the message: "It seems you're trying to use a module that doesn't come with our installer. Check [this FAQ](#) in our docs to learn how to do this."

The screenshot shows the Spyder IDE interface. The main editor displays a Python script named `pypl.py` with the following code:

```
8 #numpy
9 arr = np.array([1, 2, 3, 4, 5])
10 print(" NUMPY ")
11 print(arr)
12 print(type(arr))
13 print("\n")
14 #click
15 print(" CLICK ")
16 @click.command()
17 @click.argument('_name_', default='guest')
18 def hello(name):
19     click.echo(f'Hello{name}')
20
21 #requests
22 r = requests.get('https://api.spotify.com/')
23 r.status_code
24 print(" REQUESTS ")
25 print(r.headers)
26 print("\n")
27 #jinja2
28 template = """hostname {{ hostname }}"""
29 data = {"hostname": "core-sw-waw-01"}
30 j2_template = Template(template)
31 print(" JINJA2 ")
32 print(j2_template.render(data))
33 print("\n")
34 #camelcase
35 c = camelcase.CamelCase()
36 txt = "Lorem ipsum dolor sit amet"
37 print(" CAMEL CASE ")
38 print(c.hump(txt))
39 print("\n")
40 if __name__ == '__main__':
41     hello()
42
```

The console on the right shows the execution of the script, which results in a `ModuleNotFoundError: No module named 'camelcase'`. A warning box is displayed with the message: "It seems you're trying to use a module that doesn't come with our installer. Check [this FAQ](#) in our docs to learn how to do this."

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18363.418]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\kp

C:\kp>python pypi.py
NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>

CLICK
REQUESTS
{'Connection': 'keep-alive', 'Content-Length': '23195', 'Last-Modified': 'Mon, 19 Sep 2022 22:09:42 GMT', 'ETag': '"fc6d8f2f9c64a2e6ab120afabd538844"', 'x-goog-generati
on': '1663625382646033', 'x-goog-metageneration': '1', 'x-goog-stored-content-encoding': 'identity', 'x-goog-stored-content-length': '105319', 'x-amz-meta-goog-reserved
-file-mtime': '1663625339', 'Content-Type': 'text/html', 'Content-Encoding': 'gzip', 'Accept-Ranges': 'bytes', 'Date': 'Sun, 25 Sep 2022 10:42:22 GMT', 'Age': '117733',
'X-Served-By': 'cache-chi-kigq8000022-CHI, cache-maa10244-MAA', 'X-Cache': 'HIT, HIT', 'X-Cache-Hits': '1, 642029', 'Access-Control-Allow-Origin': '**', 'Cache-Control'
: 'public, max-age=86400'}

JINJAJ2
hostname core-sw-waw-01

CAMELCASE
Lorem Ipsum Dolor Sit Amet

C:\kp>
```