ASSIGNMENT-2

DATE	24 September 2022
Team ID	PNT2022TMID49597
Project Name	Project-Plasma Donor Application
Team Member Name	Raja chera kesaree ve.su

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

from flask import Flask, render_template, redirect, request

app = Flask(__name__)

@app.route('/')

def home():

  return 'welcome:) REGISTER! '

@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)

login.html

<html>

<head>

```html
    <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>{{y}}</b>
</body>

</html>
```

OUTPUT:

welcome:) REGISTER!

NAME: 950019104703@smartintern

D.O.B : 11 - 11 - 2002

MOBILE NUMBER : 8743784933

REGISTER

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

pypi.py

```python
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
@click.command()
```

```python
@click.argument('name', default='guest')
def hello(name):
    click.echo('CLICK')
    click.echo(f'Hello {name}')
#requests
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()
```

OUTPUT:

Top window — editor (pypi.py):

```python
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
@click.command()
@click.argument('name', default='guest')
def hello(name):
    click.echo('CLICK')
    click.echo(f'Hello {name}')
#requests
r = requests.get('https://api.spotify.com/')
r.status_code
print(" REQUESTS ")
print(r.headers)
print("\n")
#jinja2
template = """hostname {{ hostname }}"""
```

Top window — terminal:

```
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'c:\users\remym\appdata\local\programs\python\python39-32\python.exe -m pip install --upgrade pip' command.
PS C:\Users\remym\OneDrive\Desktop\python\py> python pypi.py
```

Bottom window — terminal:

```
PS C:\Users\remym\OneDrive\Desktop\python\py> pip install request
ERROR: Could not find a version that satisfies the requirement request (from versions: none)
ERROR: No matching distribution found for request
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'c:\users\remym\appdata\local\programs\python\python39-32\python.exe -m pip install --upgrade pip' command.
PS C:\Users\remym\OneDrive\Desktop\python\py> python pypi.py
 NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>


 REQUESTS
{'Connection': 'keep-alive', 'Content-Length': '23195', 'Last-Modified': 'Mon, 19 Sep 2022 22:09:42 GMT', 'ETag': '"fc6d8f2f9c64a2e6ab120afabd538844"', 'x-goog-gener
ation': '1663625382646033', 'x-goog-metageneration': '1', 'x-goog-stored-content-encoding': 'identity', 'x-goog-stored-content-length': '105319', 'x-amz-meta-goog-re
served-file-mtime': '1663625339', 'Content-Type': 'text/html', 'Content-Encoding': 'gzip', 'Accept-Ranges': 'bytes', 'Date': 'Fri, 25 Nov 2022 03:44:01 GMT', 'Age':
Lorem Ipsum Dolor Sit Amet


CLICK
Hello guest
PS C:\Users\remym\OneDrive\Desktop\python\py>
```