ASSIGNMENT-2

Date	24 September 2022
Team ID	PNT2022TMID49558
Project Name	Project – Plasma Donor Application
Team Member Name	ANU K(Team Leader)

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

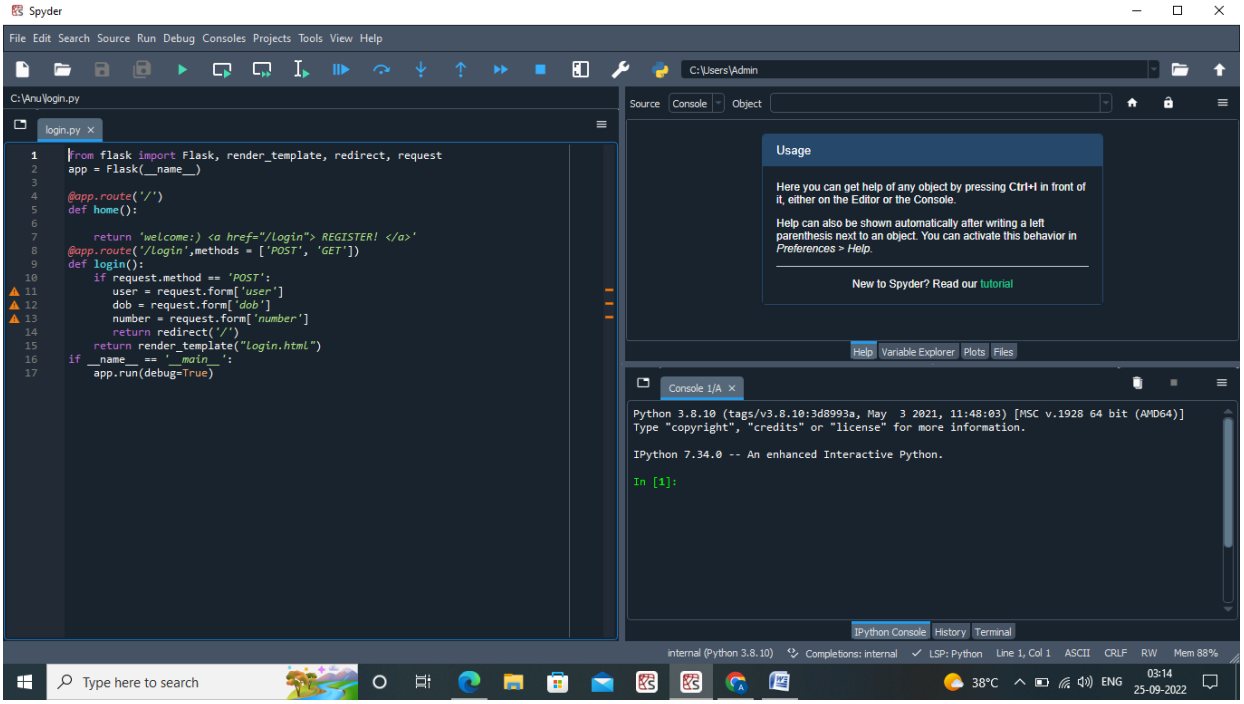
login.py(PYTHON CODE):

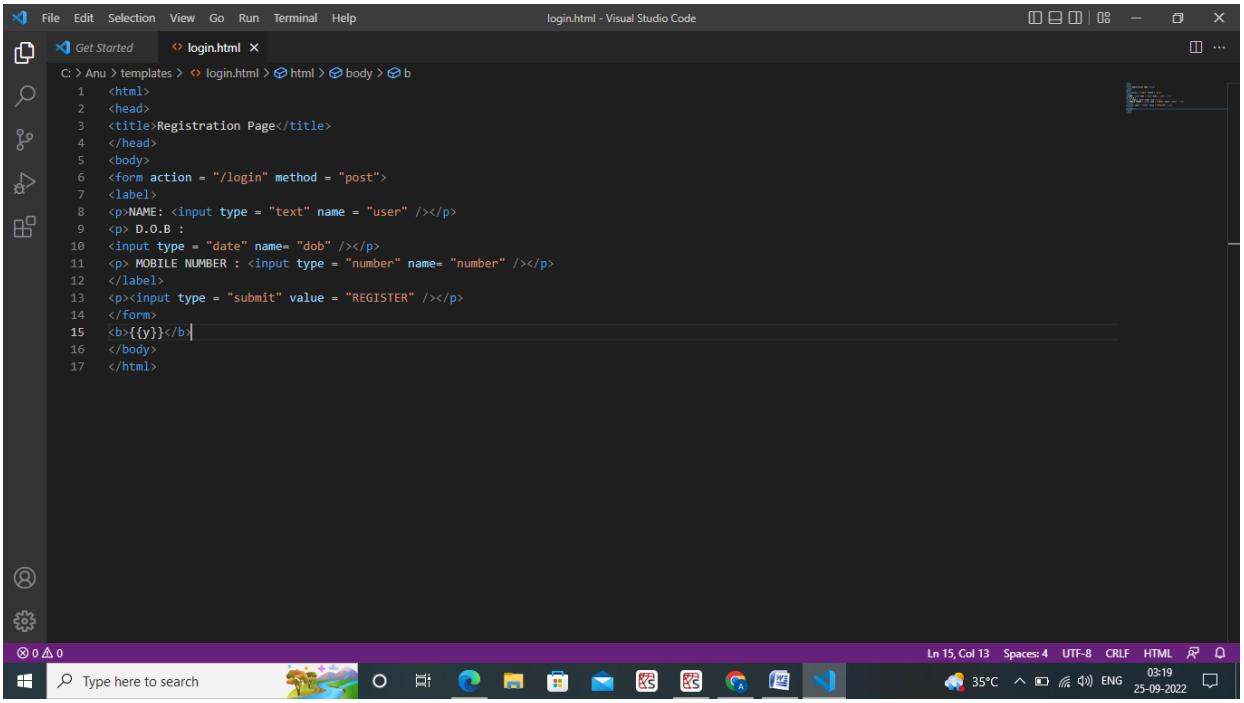
```
from flask import Flask, render_template, redirect, request
app = Flask(_name_)

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

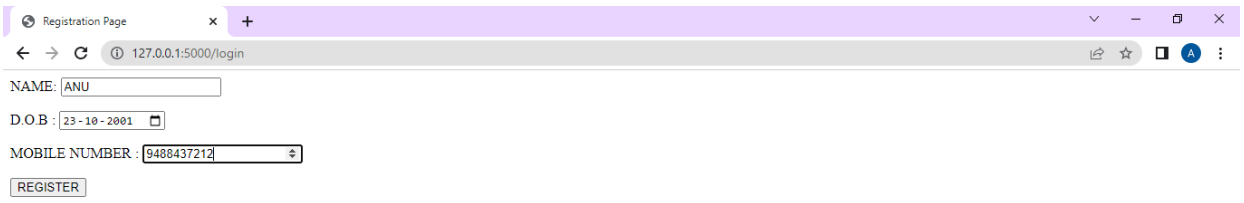




OUTPUT :


127.0.0.1:5000
127.0.0.1:5000
welcome:) REGISTER!


Type here to search
35°C
ENG
03:24
25-09-2022

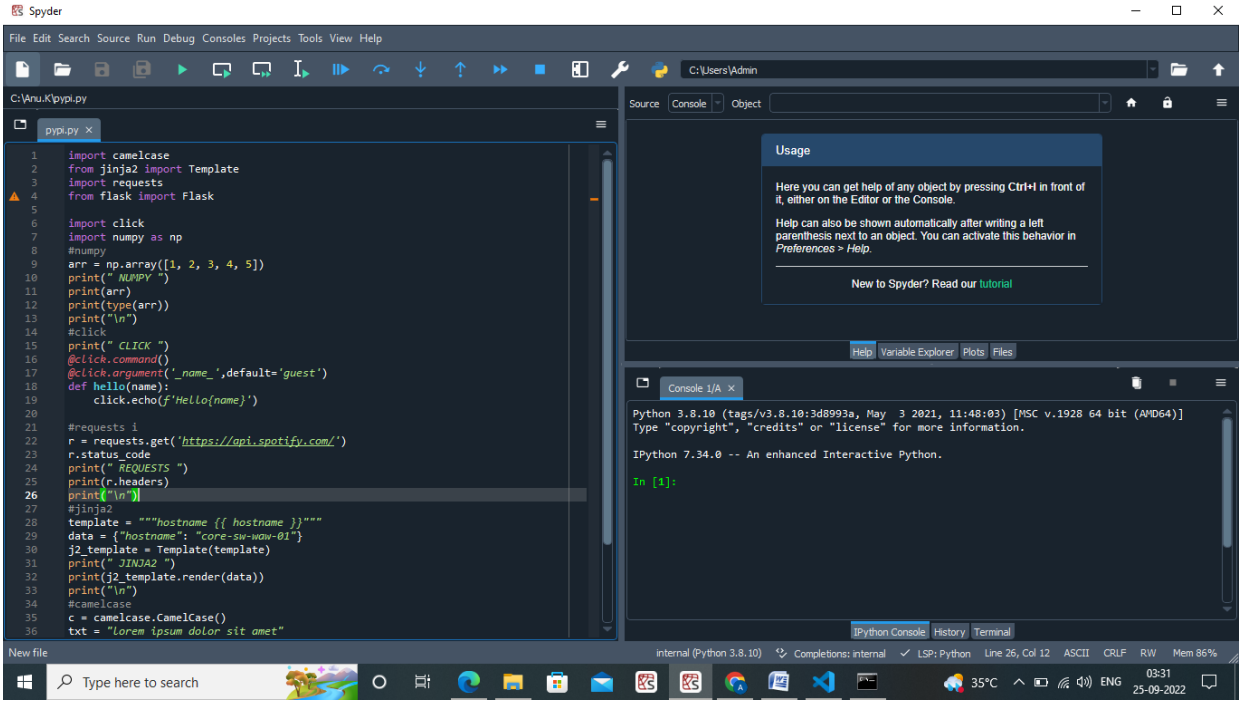

Registration Page
127.0.0.1:5000/login
NAME: ANU
D.O.B : 23-10-2001
MOBILE NUMBER : 9488437212
REGISTER


Type here to search
35°C
ENG
03:25
25-09-2022

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

Pypi.py

```
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()
```


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\Admin
C:\Anu.K\pypi.py
pypi.py
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 }}"""
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j2_template = Template(template)
print(" JINJA2 ")
print(j2_template.render(data))
print("\n")
#camelcase
c = camelcase.CamelCase()
txt = "lorem ipsum dolor sit amet"
Source Console Object
Usage
Here you can get help of any object by pressing Ctrl+I in front of it, either on the Editor or the Console.
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in Preferences > Help.
New to Spyder? Read our tutorial
Help Variable Explorer Plots Files
Console 1/A
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]:
IPython Console History Terminal
New file
internal (Python 3.8.10) Completions: internal LSP: Python Line 26, Col 12 ASCII CRLF RW Mem 86%
Type here to search
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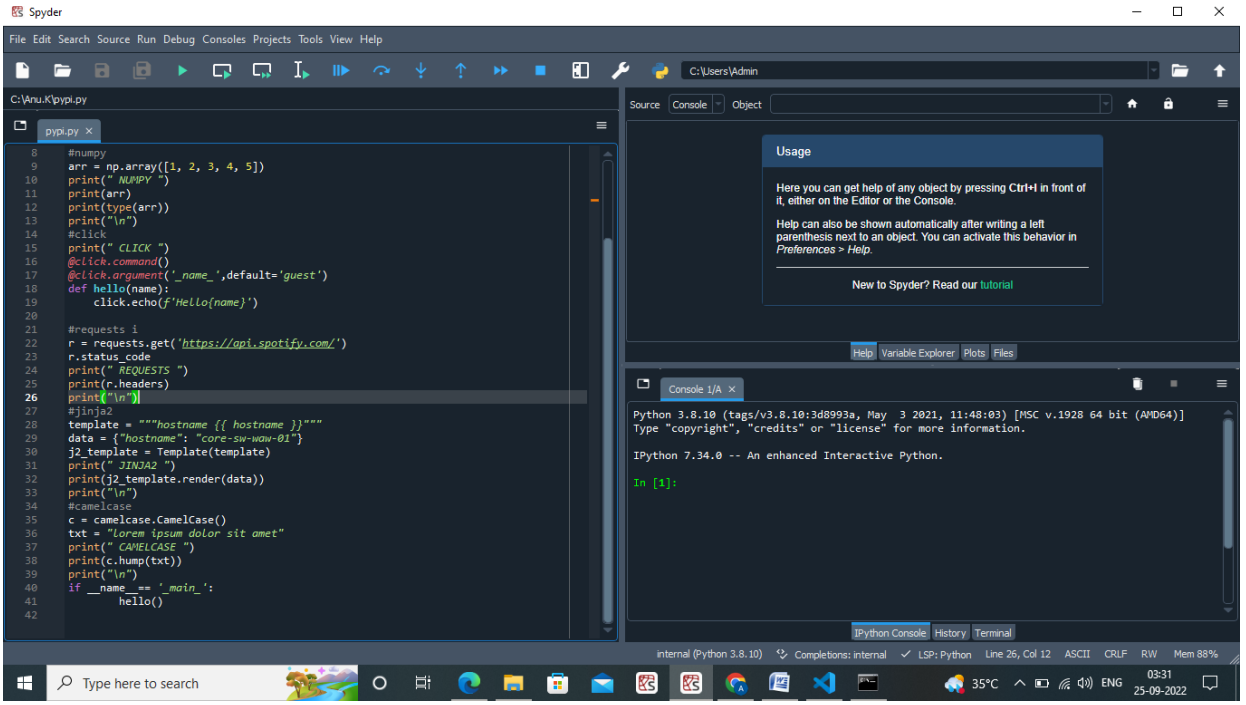
Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\Admin
C:\Anu.K\pypi.py
pypi.py
#numpy
arr = np.array([1, 2, 3, 4, 5])
print(" NUMPY ")
print(arr)
print(type(arr))
print("\n")
#click
print(" CLICK ")
@click.command()
@click.argument('_name_',default='guest')
def hello(name):
click.echo(f'Hello{name}')
#requests i
r = requests.get('https://api.spotify.com/')
r.status_code
print(" REQUESTS ")
print(r.headers)
print("\n")
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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()
Source Console Object
Usage
Here you can get help of any object by pressing Ctrl+I in front of it, either on the Editor or the Console.
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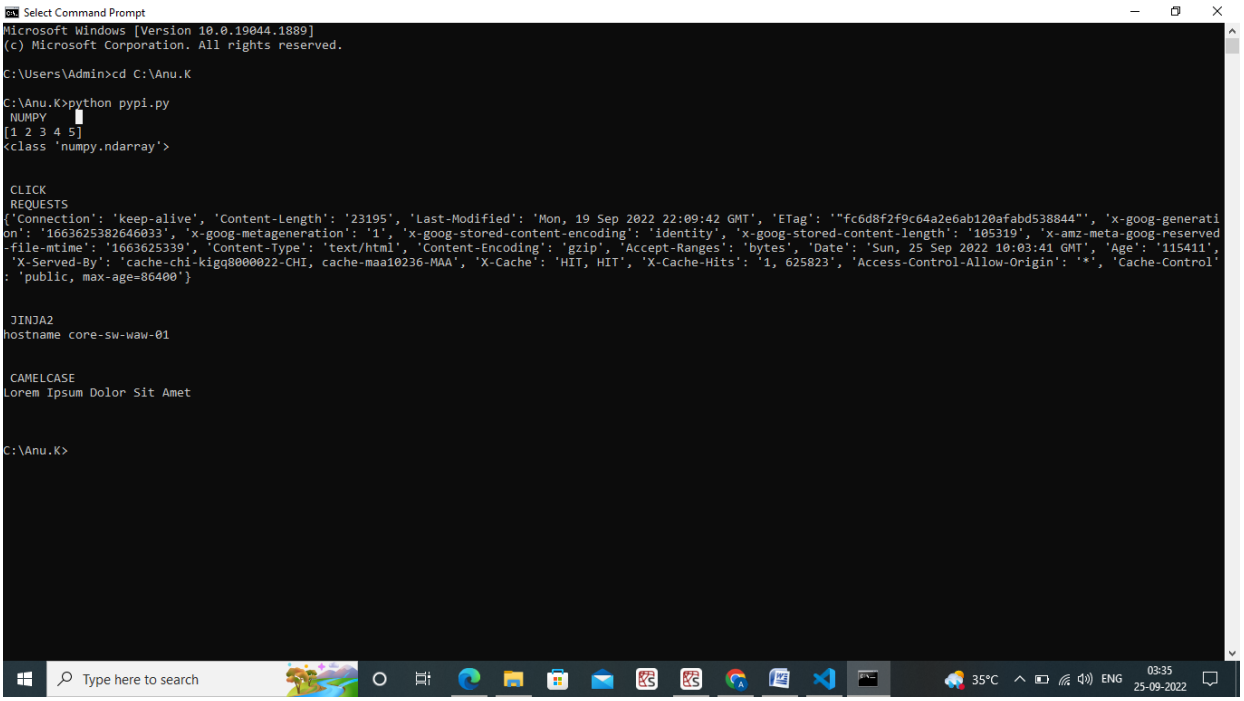
Console 1/A
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.
IPython 7.34.0 -- An enhanced Interactive Python.
In [1]:
IPython Console History Terminal
internal (Python 3.8.10) Completions: internal LSP: Python Line 26, Col 12 ASCII CRLF RW Mem 88%
Type here to search
35°C ENG 03:31 25-09-2022

OUTPUT :


Select Command Prompt
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Admin>cd C:\Anu.K
C:\Anu.K>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-generation': '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 10:03:41 GMT', 'Age': '115411', 'X-Served-By': 'cache-chi-kigq8000022-CHI, cache-maa10236-MAA', 'X-Cache': 'HIT, HIT', 'X-Cache-Hits': '1, 625823', 'Access-Control-Allow-Origin': '*', 'Cache-Control': 'public, max-age=86400'}
JINJA2
hostname core-sw-waw-01
CAMELCASE
Lorem Ipsum Dolor Sit Amet
C:\Anu.K>
Type here to search
35°C
ENG
03:35
25-09-2022