ASSIGNMENT-2

Date	24 September 2022
Team ID	PNT2022TMID49588
Project Name	Project - Personal Expense Tracker
Team Member Name	Remy Martha M(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.

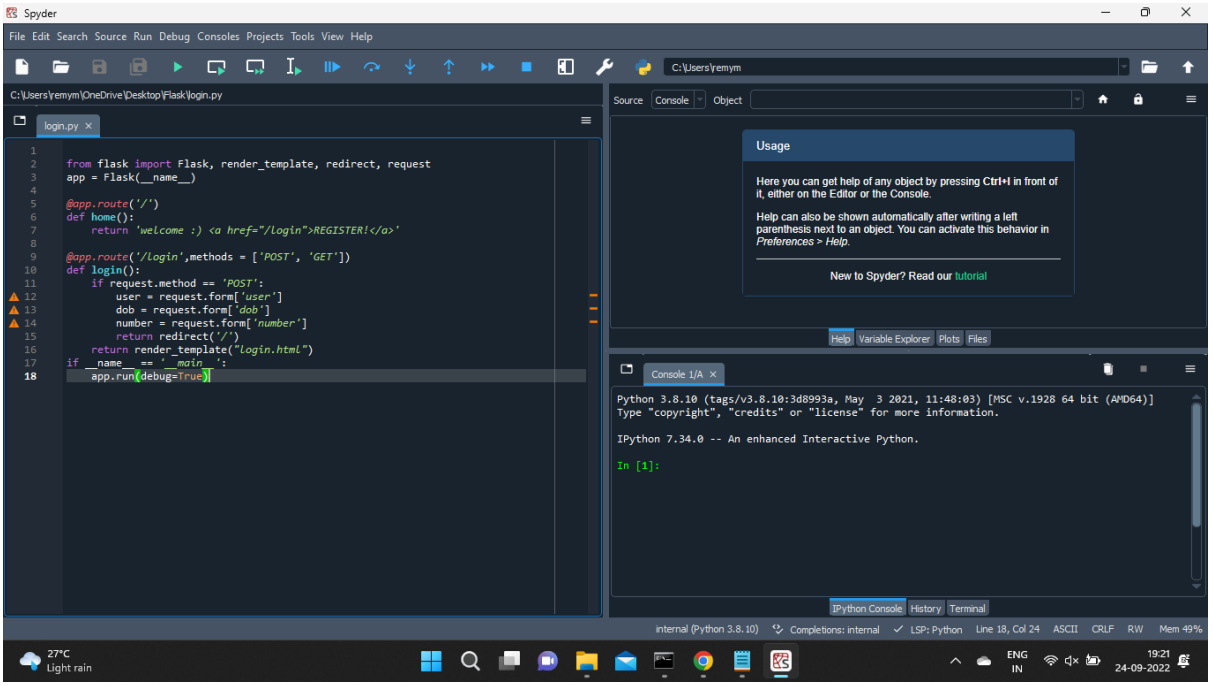
login.py(PYTHON CODE):

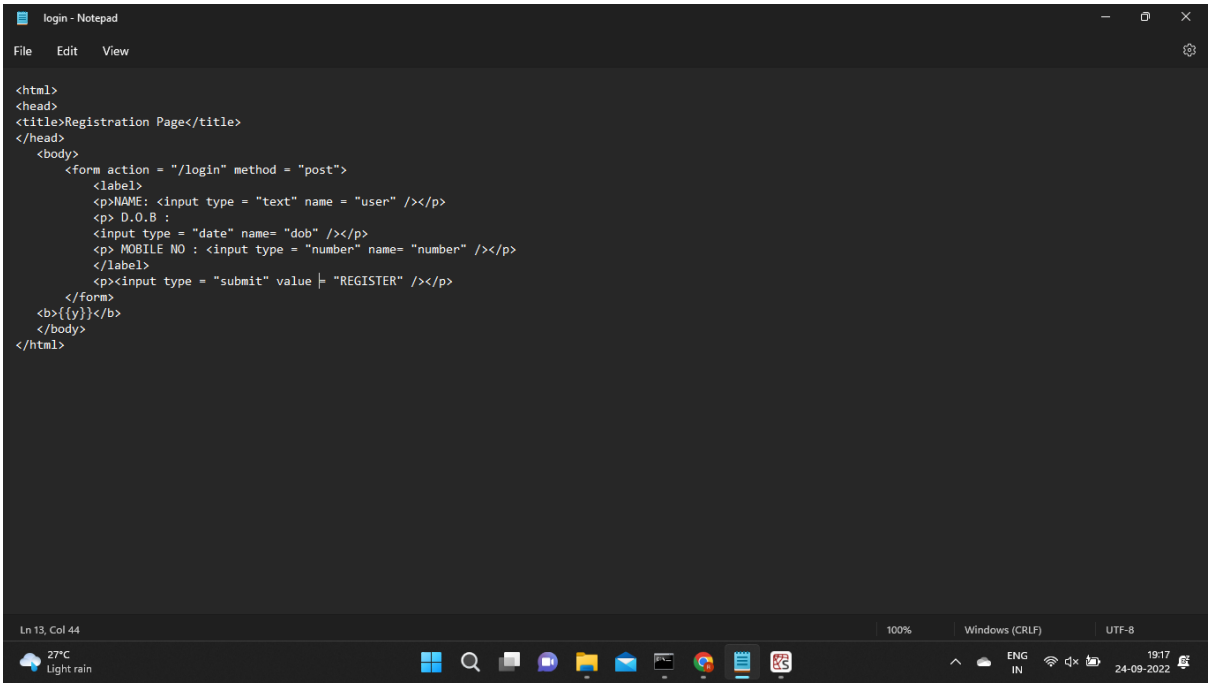
```
from flask import Flask, render_template, redirect, request
app = Flask(__name__)

@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
welcome :) REGISTER!


127.0.0.1:5000/login
27°C
Light rain
ENG
IN
19:19
24-09-2022

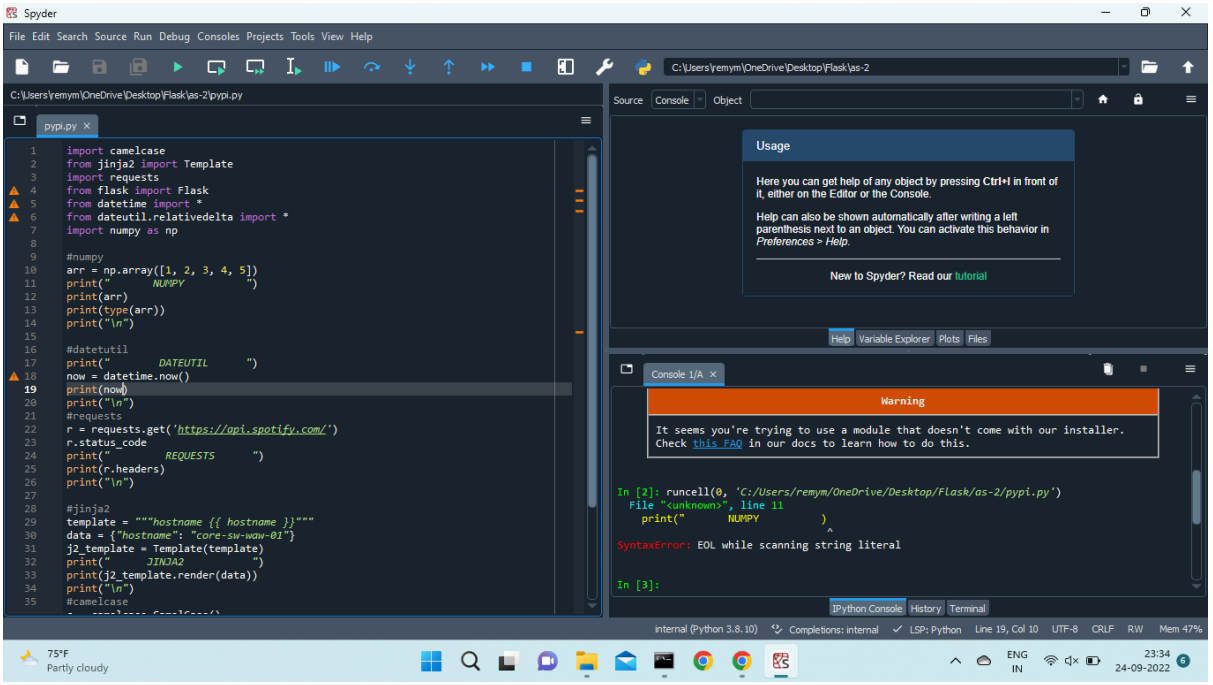

Registration Page
127.0.0.1:5000/login
NAME: Remy
D.O.B : 12-09-2002
MOBILE NUMBER : 9873243688
REGISTER

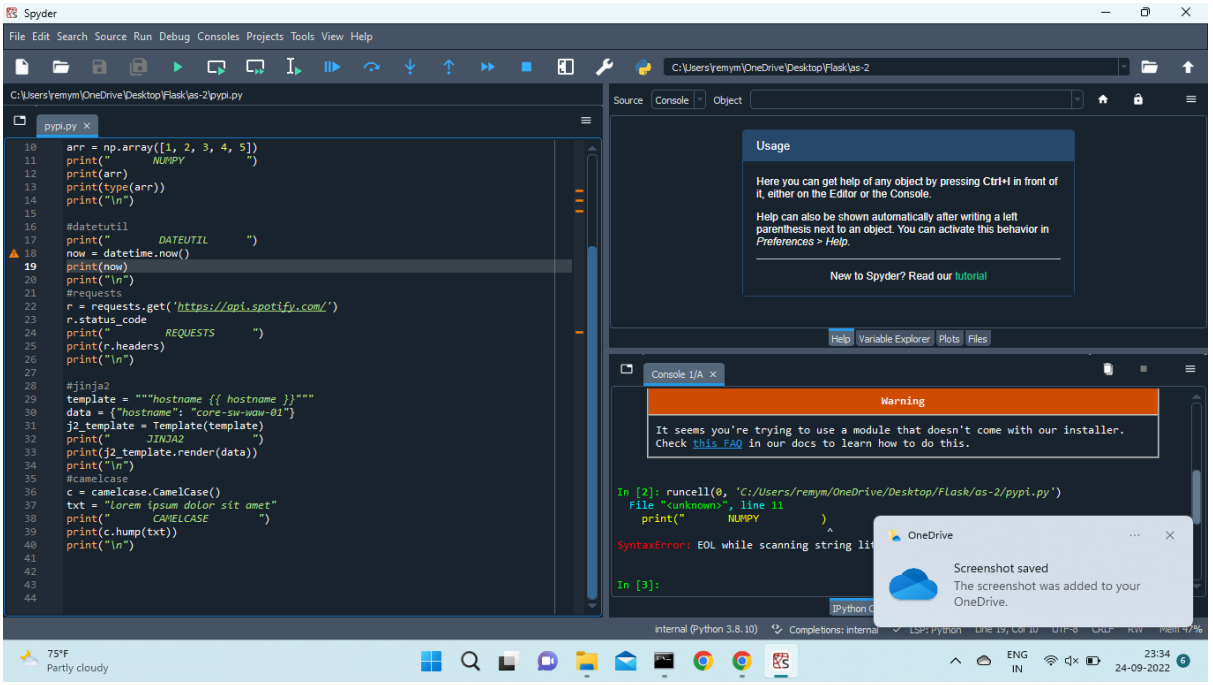

26°C
Mostly cloudy
ENG
IN
21:26
24-09-2022

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
from datetime import *
from dateutil.relativedelta import *
import numpy as np

#numpy
arr = np.array([1, 2, 3, 4, 5])
print("       NUMPY          ")
print(arr)
print(type(arr))
print("\n")

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

#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")
```


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\remym\OneDrive\Desktop\Flask\as-2\pypi.py
pypi.py
import camelcase
from jinja2 import Template
import requests
from flask import Flask
from datetime import *
from dateutil.relativedelta import *
import numpy as np
#numpy
arr = np.array([1, 2, 3, 4, 5])
print(" NUMPY ")
print(arr)
print(type(arr))
print("\n")
#datetutil
print(" DATEUTIL ")
now = datetime.now()
print(now)
print("\n")
#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
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
Warning
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.
In [2]: runcell(0, 'C:/Users/remym/OneDrive/Desktop/Flask/as-2/pypi.py')
File "<unknown>", line 11
print(" NUMPY)
SyntaxError: EOL while scanning string literal
In [3]:
IPython Console History Terminal
internal (Python 3.8.10) Completions: internal LSP: Python Line 19, Col 10 UTF-8 CRLF RW Mem 47%
75°F
Partly cloudy
ENG
IN
23:34
24-09-2022


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\remym\OneDrive\Desktop\Flask\as-2\pypi.py
pypi.py
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print(" NUMPY ")
print(arr)
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print("\n")
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print(now)
print("\n")
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data = {"hostname": "core-sw-waw-01"}
j2_template = Template(template)
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c = camelcase.CamelCase()
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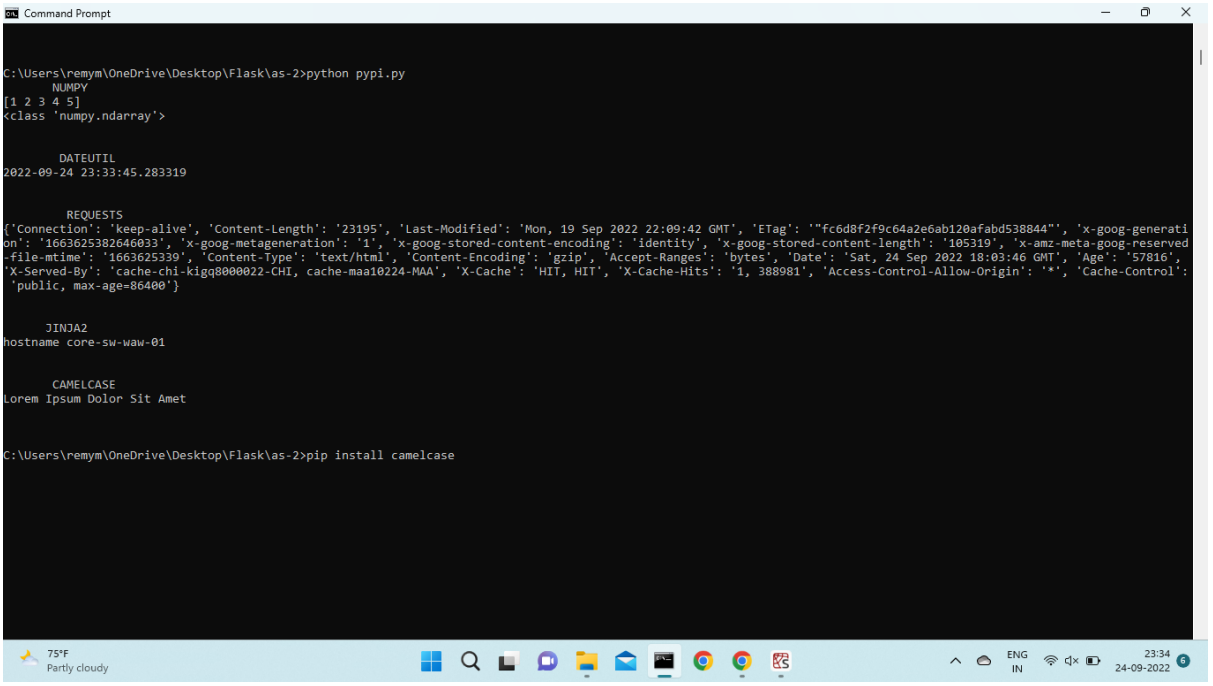
File "<unknown>", line 11
print(" NUMPY)
SyntaxError: EOL while scanning string lit
In [3]:
OneDrive
Screenshot saved
The screenshot was added to your OneDrive.
internal (Python 3.8.10) Completions: internal
75°F
Partly cloudy
ENG
IN
23:34
24-09-2022

OUTPUT :


Command Prompt
C:\Users\remym\OneDrive\Desktop\Flask\as-2>python pypi.py
NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>
DATEUTIL
2022-09-24 23:33:45.283319
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': 'Sat, 24 Sep 2022 18:03:46 GMT', 'Age': '57816', 'X-Served-By': 'cache-chi-kigq8000022-CHI, cache-maa10224-MAA', 'X-Cache': 'HIT, HIT', 'X-Cache-Hits': '1, 388981', 'Access-Control-Allow-Origin': '*', 'Cache-Control': 'public, max-age=86400'}
JINJA2
hostname core-sw-waw-01
CAMELCASE
Lorem Ipsum Dolor Sit Amet
C:\Users\remym\OneDrive\Desktop\Flask\as-2>pip install camelcase
75°F
Partly cloudy
ENG
IN
23:34
24-09-2022