Assignment -2

Assignment Date	24 September 2022
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Student Roll Number	952819104038
Maximum Marks	2 Marks
Team ID	PNT2022TMID50561

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

PROGRAM:

login.html:

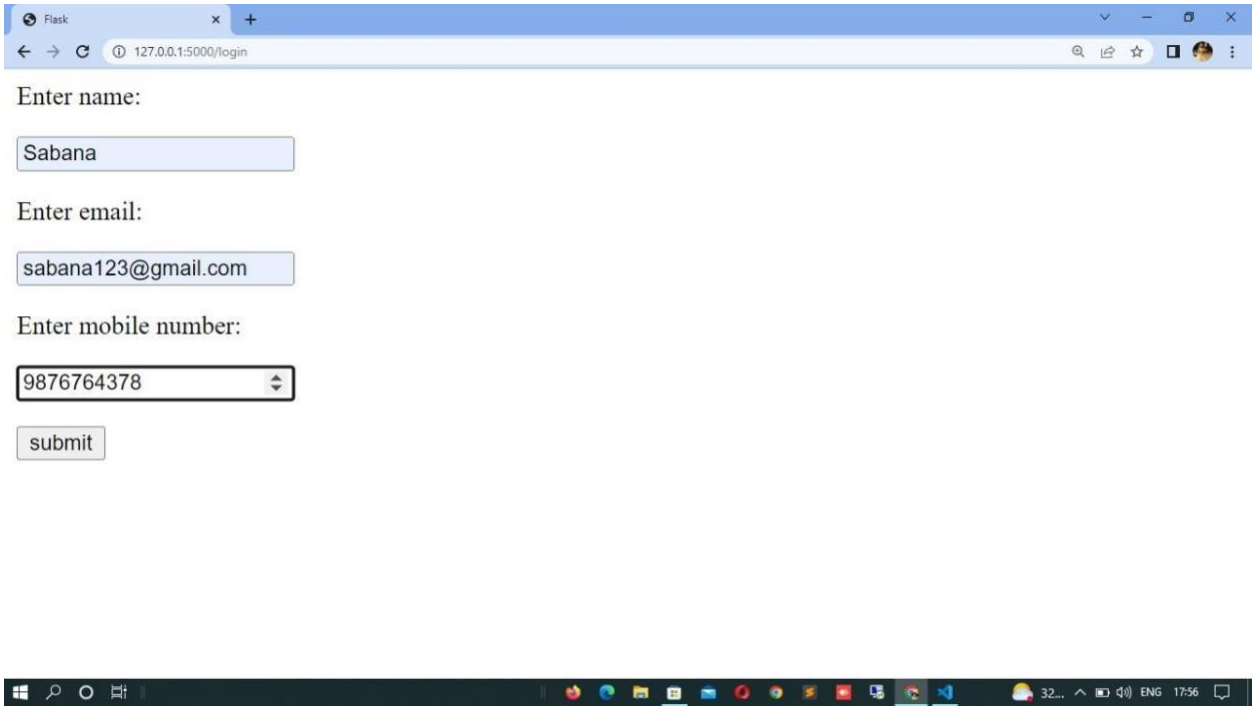
```
<html>
<head>
<title>Flask</title>
</head>
  <body>
     <form action = "/login" method = "post">
        <p> Enter name:</p>
        <p><input type = "text" name = "user" /></p>
        <p> Enter email:</p>
        <p><input type = "text" name= "email" /></p>
        <p> Enter mobile number:</p>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

</html>
```

login.py

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

@app.route('/') def home(): return 'welcome <a
href="/login">click here</a>'

@app.route('/login',methods = ['POST', 'GET'])
def login():
   if request.method == 'POST': user
      = request.form['user'] mail =
```

```
        request.form['email'] number =
        request.form['number'] return
        redirect('/')
    return render_template("login.html")

if __name__ == '__main__':
    app.run(debug=True)
```

OUTPUT:



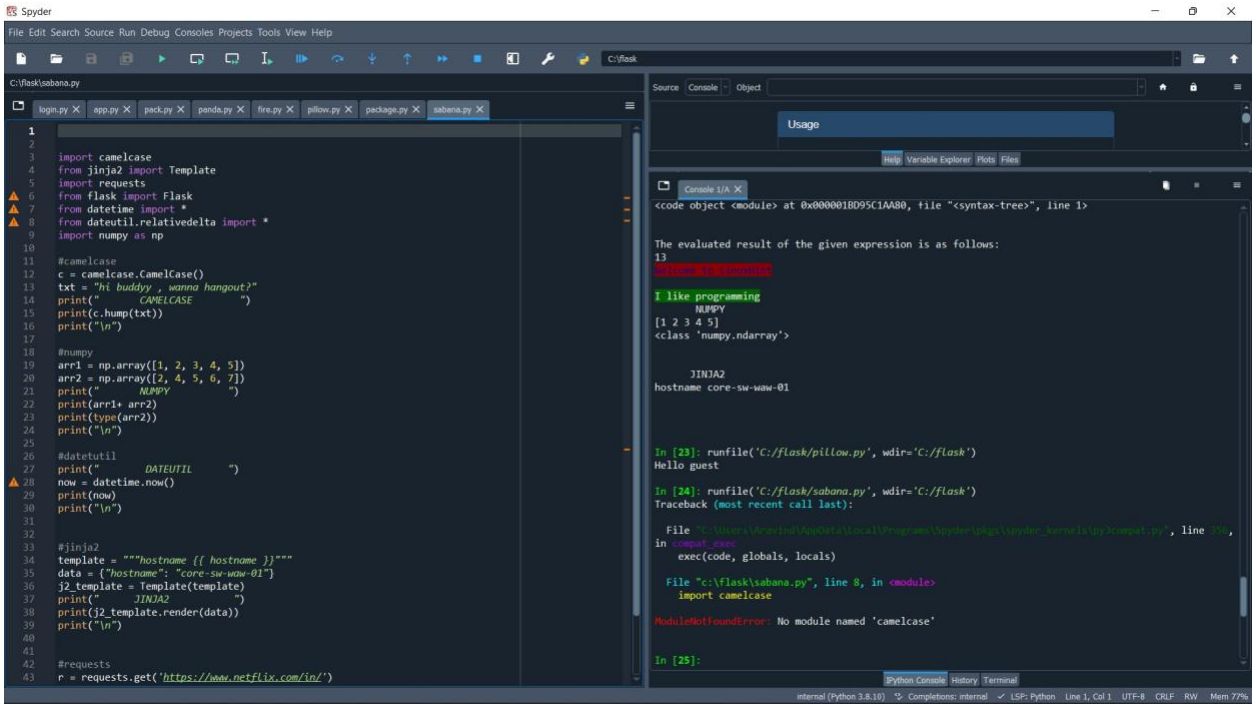
2.Develop a flask program which should contain atleast 5 packages used from pypi.org.

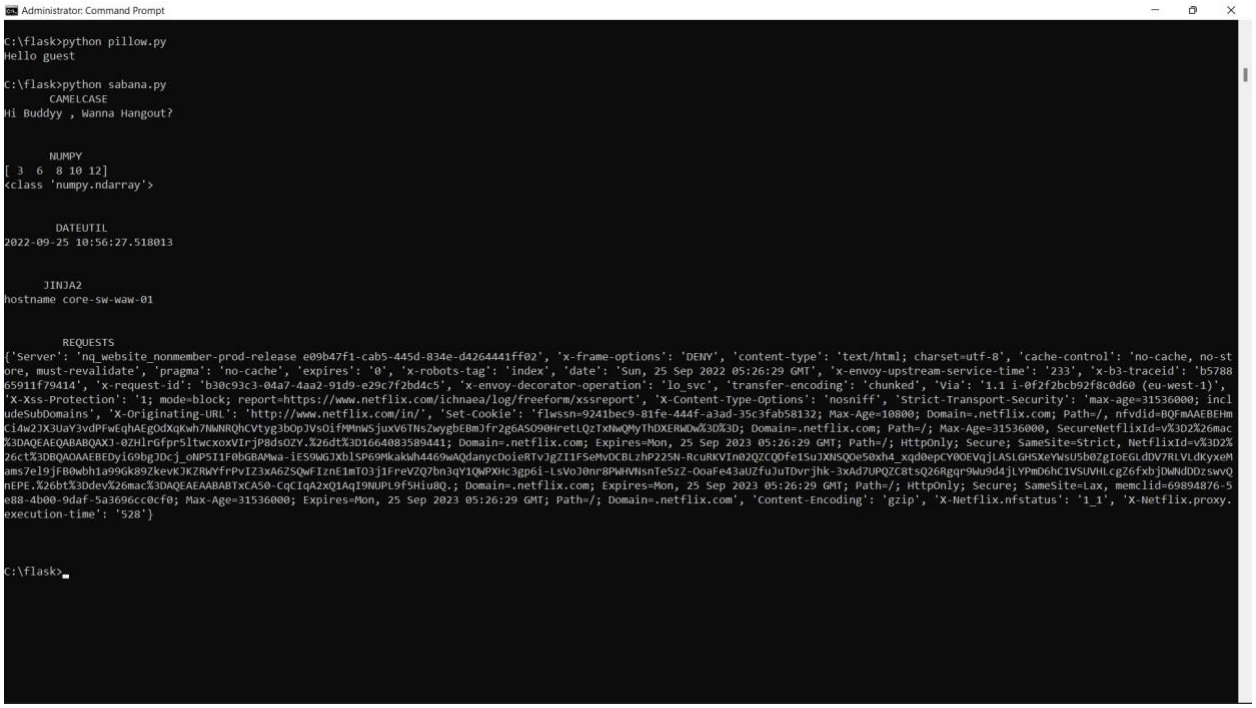
PROGRAM:

```
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:


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\flask\sabana.py
login.py app.py pack.py panda.py fire.py pillow.py package.py sabana.py
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/')
Usage
Help Variable Explorer Plots Files
Console 1/A
<code object <module> at 0x000001BD95C1AA80, file "<syntax-tree>", line 1>
The evaluated result of the given expression is as follows:
13
I like programming
NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>
JINJA2
hostname core-sw-waw-01
In [23]: runfile('C:/flask/pillow.py', wdir='C:/flask')
Hello guest
In [24]: runfile('C:/flask/sabana.py', wdir='C:/flask')
Traceback (most recent call last):
File "c:\flask\sabana.py", line 8, in <module>
import camelcase
ModuleNotFoundError: No module named 'camelcase'
In [25]:
IPython Console History Terminal
internal (Python 3.8.10) Completions: internal LSP: Python Line 1, Col 1 UTF-8 CRLF RW Mem 77%


Administrator: Command Prompt
C:\flask>python pillow.py
Hello guest
C:\flask>python sabana.py
CAMELCASE
Hi Buddyy , Wanna Hangout?
NUMPY
[3 6 8 10 12]
<class 'numpy.ndarray'>
DATEUTIL
2022-09-25 10:56:27.518013
JINJA2
hostname core-sw-waw-01
REQUESTS
{'Server': 'nq_website_nonmember-prod-release e09b47f1-cab5-445d-834e-d4264441ff02', '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 05:26:29 GMT', 'x-envoy-upstream-service-time': '233', 'x-b3-traceid': 'b578865911f79414', 'x-request-id': 'b30c93c3-04a7-4aa2-91d9-e29c7f2bd4c5', 'x-envoy-decorator-operation': 'lo_svc', 'transfer-encoding': 'chunked', 'Via': '1.1 i-0f2f2bcb92f8c0d60 (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': 'flwssn=9241bec9-81fe-444f-a3ad-35c3fab58132; Max-Age=10800; Domain=.netflix.com; Path=/, nfvdid=BQFmAAEBEHmCi4w2JX3UaY3vdPFwEqhAEgOdXqKwh7NWNRQhCVtyg3bOpJVsOifMMnWSjuxV6TNsZwygbEBmJfr2g6ASO90HretLQzTxNwQMyThDXERWDw%3D%3D; Domain=.netflix.com; Path=/; Max-Age=31536000, SecureNetflixId=v%3D2%26mac%3DAQEAEQABABQAXJ-0ZHlrGfpr5ltwcxoxVIrjP8dsOZY.%26dt%3D1664083589441; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 05:26:29 GMT; Path=/; HttpOnly; Secure; SameSite=Strict, NetflixId=v%3D2%26ct%3DBQAOAAEBEDyi69bgJDcj_oNP5I1F0bGBAMwa-iES9WGJXblSP69MkakWh4469wAQdanycDoieRTvJgZI1FSeMvDCBLzhP225N-RcuRKVIn02QZCQDfe1SuJXNSQOe50xh4_xqd0epCY0OEVqjLASLGHSXeYWsU5b0ZgIoEGLdDV7RLVLdKyXeMams7el9jFB0wbh1a99Gk89ZkevKJKZRWYfrPvIZ3xA6ZSQwFIznE1mTO3j1FreVZQ7bn3qY1QWPXHc3gp6i-LsVoJ0nr8PWHVNsnTe5zZ-OoaFe43aUZfuJuTDvrjhk-3xAd7UPQZC8tsQ26Rgqr9Wu9d4jLYPmDGhC1VSUVHLcgZ6fxbjDWNdDDzswvQnEPE.%26bt%3Ddev%26mac%3DAQEAEAABABTxCA50-CqCIqA2xQ1AqI9NUPL9f5Hiu8Q.; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 05:26:29 GMT; Path=/; HttpOnly; Secure; SameSite=Lax, memclid=69894876-5e88-4b00-9daf-5a3696cc0cf0; Max-Age=31536000; Expires=Mon, 25 Sep 2023 05:26:29 GMT; Path=/; Domain=.netflix.com', 'Content-Encoding': 'gzip', 'X-Netflix.nfstatus': '1_1', 'X-Netflix.proxy.execution-time': '528'}
C:\flask>