

## Assignment -2

Assignment Date	24 September 2022
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Student Roll Number	950019104038
Maximum Marks	2 Marks
Team ID	PNT2022TMID49592

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

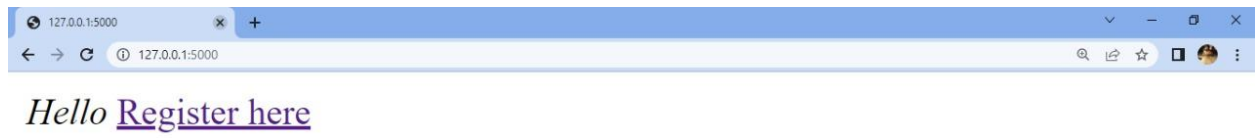
```
from flask import Flask, render_template, redirect, request
app = Flask(__name__)
```

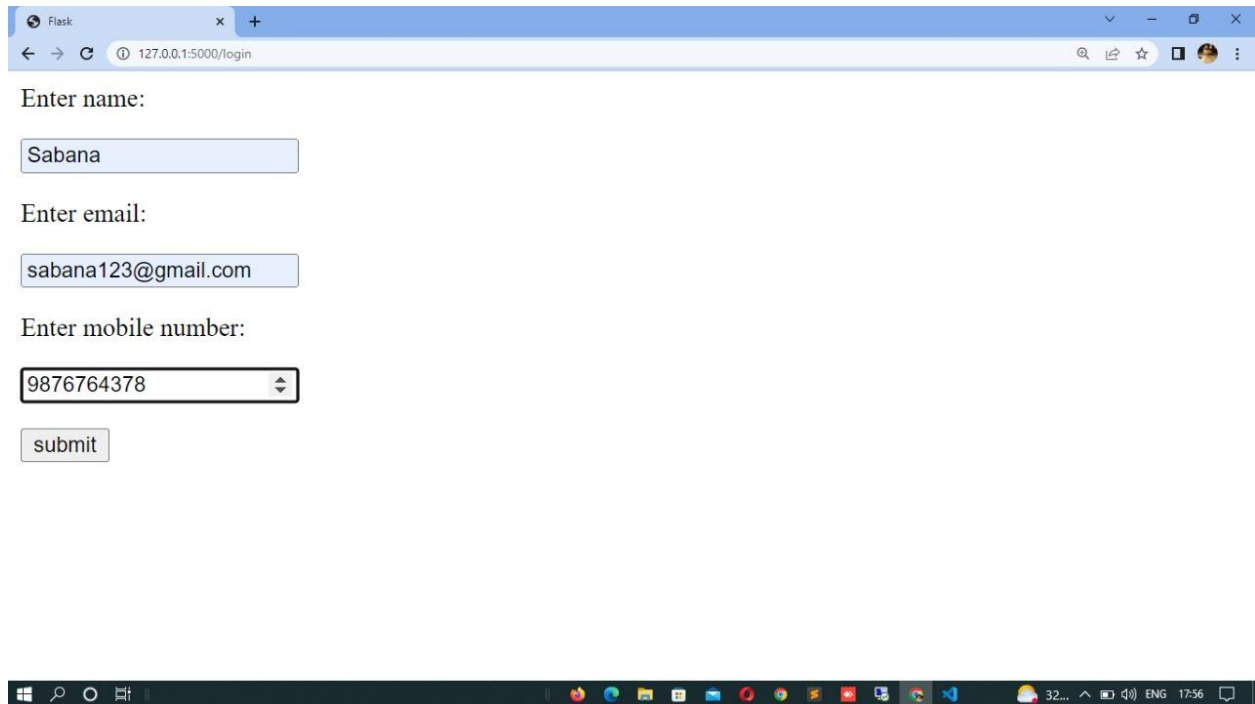
```
@app.route('/')
def home():
    return 'welcome <a href="/login">click here</a>'
```

```
@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 at least 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 buddy , 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 X app.py X pack.py X panda.py X fire.py X pillow.py X package.py X sabana.py X

```
1
2
3
4 from jinja2 import Template
5 import requests
6 from flask import Flask
7 from datetime import *
8 from datetime.datetime import *
9 import numpy as np
10
11 #camelcase
12 c = camelcase.CamelCase()
13 txt = "hi buddy , wanna hangout?"
14 print(" CAMELCASE ")
15 print(c.hump(txt))
16 print("\n")
17
18 #numpy
19 arr1 = np.array([1, 2, 3, 4, 5])
20 arr2 = np.array([2, 4, 5, 6, 7])
21 print(" NUMPY ")
22 print(arr1+ arr2)
23 print(type(arr2))
24 print("\n")
25
26 #datetime
27 print(" DATEUTIL ")
28 now = datetime.now()
29 print(now)
30 print("\n")
31
32
33 #jinja2
34 template = """hostname {{ hostname }}"""
35 data = {"hostname": "core-sw-waw-01"}
36 j2_template = Template(template)
37 print(" JINJA2 ")
38 print(j2_template.render(data))
39 print("\n")
40
41
42 #requests
43 r = requests.get('https://www.netflix.com/in/')
```

Source Console Object

Usage

Console 1/A X

<code object <module> at 0x0000018095C1AA80, file "<syntax-tree>", line 1>

The evaluated result of the given expression is as follows:

```
13
CAMELCASE
hi buddy , wanna hangout?

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
in exec(code, globals, locals)
File "C:/flask/sabana.py", line 8, in <module>
import camelcase
ModuleNotFoundError: No module named 'camelcase'

In [25]:
```

Python 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 Buddy , 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-st
ore, 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': 'b5788
5501af79a14', 'x-request-id': 'b3e93c3-0da7-4da2-91d9-e29c7f2bdac5', 'x-envoy-decorator-operation': 'lo.svc', 'transfer-encoding': 'chunked', 'Via': '1.1 i-0f2f2bc092f8c0d60 (eu-west-1)',
'X-Xss-Protection': '1; mode=block; report=https://www.netflix.com/ichnaaa/1og/freerom/xssreport', 'X-Content-Type-Options': 'nosniff', 'Strict-Transport-Security': 'max-age=31536000; incl
udeSubDomains', 'X-Originating-URL': 'http://www.netflix.com/in/', 'Set-Cookie': 'flwsn=9241bec9-81fe-44af-a3ad-35c3fab58132; Max-Age=10800; Domain=.netflix.com; Path=/, nfvId=8QFmAAEBEHm
C1awX2X3uYyVdPfwEghAegDdXqkwh7NWNRQhCVtyg3bopJVs0ifMmKSjuxV6Tns2vygBERMjFr2g6AS090HrtLQZTXhWQMyTHDXERMDw3D0X3D; Domain=.netflix.com; Path=/; Max-Age=31536000, SecureNetfliId=vX3D2226mac
C3DAQEAQEAQAAABEDY1G9b3JDCj_ONP511F0bGBAMwa-IES9WG3XB1SP69MKakwh4469wAQdanycoierTVjgZ11FSeMVCBLZhp225N-RcurKVIN0ZQZCQDFe1SUJXNSQoe50xh4_xqd0epCY00EvqjLASLGHsXeyW5USb0ZgIOeGLd0V7RLVLdkyx0
ams7e19jFb0bwh1a99Gk892kevKJKZRWYfPvI23XA6ZSQwFIznE1mT03j1FreVZQ7bn3qY1QmPXHC3gp61-Lsv0J0nr8PWHVnsnTeSzZ-Ooafe43aUzfuJutDvrjHk-3Xad7UPQZC8tsQ26Rggr9Wu9dd4jLYPmD6hC1VSUVHLcg26FxbJDMndDdzswVQ
nEPE_K26btX3DdevX26macC3DAQEAQEAABABTXCA50-CqCIqA2XQ1AQ19NUP19f5H1uBQ; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 05:26:29 GMT; Path=/; HttpOnly; Secure; SameSite=Lax, memclid=69894876-5
e88-4b00-9daf-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>