

## Assignment -2

Assignment Date	24 September 2022
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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

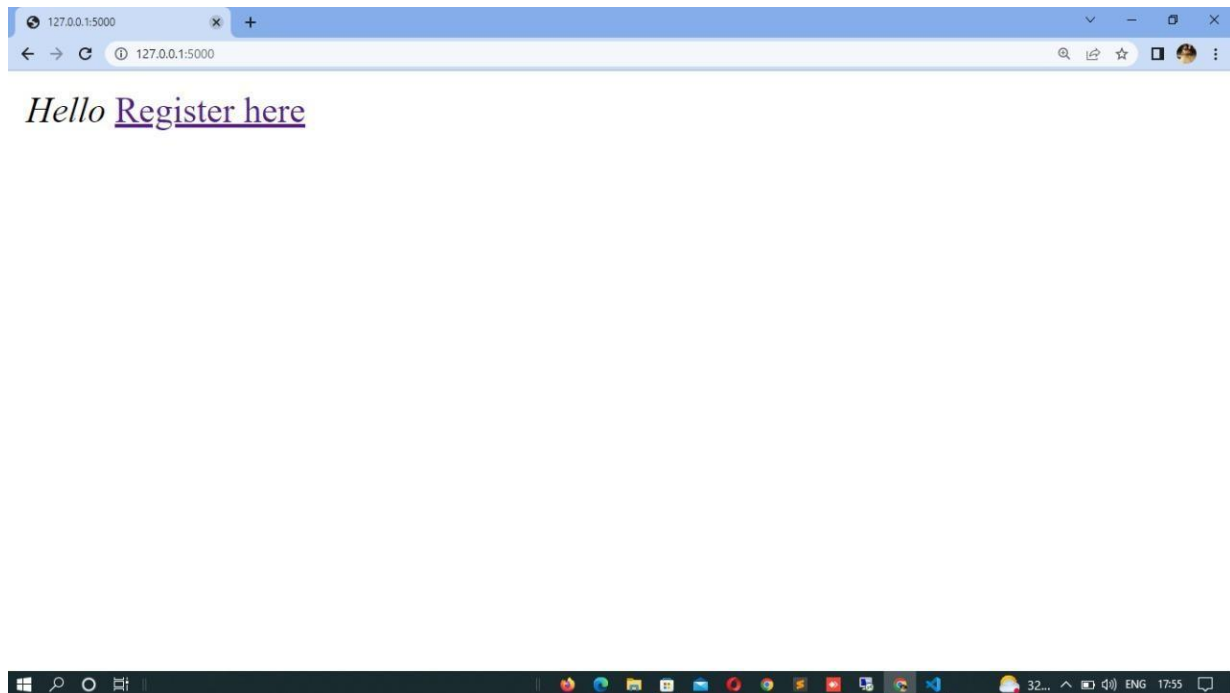
```
from flask import Flask, render_template, redirect, requestapp =
Flask(__name__)
```

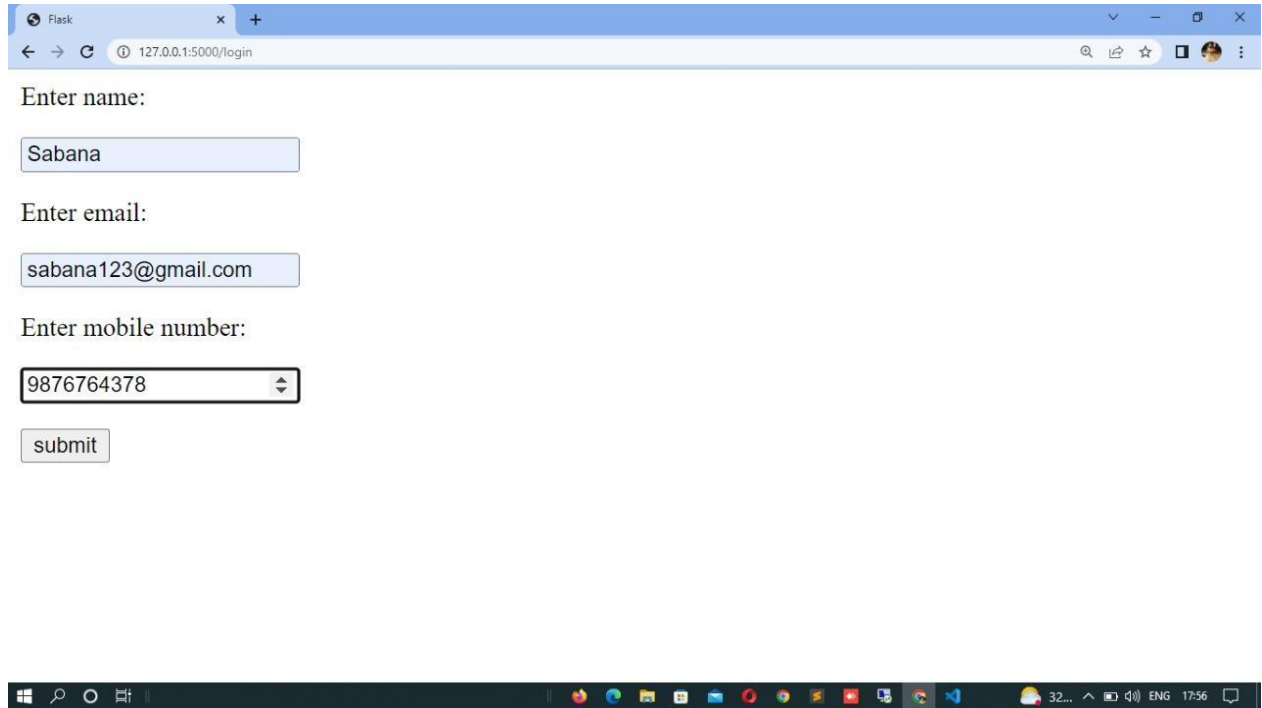
```
@app.route('/')
def home():
    return 'welcome <a href="/login">click here</a>'
```

```
@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

C:\flask\sabana.py

```
1
2
3 import camelcase
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/')
```

Usage

Console 1/A X

<code object <module> at 0x000001B095C1A80, file "C:\syntax-tree", line 1>

The evaluated result of the given expression is as follows:

```
13
14
15 I like programming
16
17 [1 2 3 4 5]
18
19 <class 'numpy.ndarray'>
20
21 JINJA2
22 hostname core-sw-waw-01
23
24 In [23]: runfile('C:/flask/pillow.py', wdir='C:/flask')
25 Hello guest
26
27 In [24]: runfile('C:/flask/sabana.py', wdir='C:/flask')
28 Traceback (most recent call last):
29
30 File "C:\Users\Wawind\AppData\Local\Programs\Spyder\pkgs\spyder_kernels\ipy\compat.py", line 10,
31 in compat.exec
32 exec(code, globals, locals)
33
34 File "C:\flask\sabana.py", line 8, in <module>
35 import camelcase
36
37 ModuleNotFoundError: No module named 'camelcase'
38
39 In [25]:
```

Python Console History Terminal

Internal (Python 3.8.10) | Completion: 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-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': 'io 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; incl udeSubdomains', 'X-Originating-URL': 'http://www.netflix.com/in/', 'Set-Cookie': 'flwsn=9241bec9-81fe-444f-a3ad-35c3fab58132; Max-Age=10800; Domain=.netflix.com; Path=/, nfvidid=BQFMAAEbHmC14w2JX3Uay3vdPFqEghAGdQxkwh7NMNRQhCVtyg3Bop3Vso1fMwW5juxV6TNSZwygBEbm3fr2g6AS090HretLQzTxNwQMyTHDXERMDwX3Dx3D; Domain=.netflix.com; Path=/; Max-Age=31536000, SecureNetfliXid=vX3D2X26macX3DAQAEQABARQAXI-0ZHLgrfpr5ltwcxoxVlrjP8d5OZY.AZ6dTK3D1664083589441; Domain=.netflix.com; Expires=Mon, 25 Sep 2023 05:26:29 GMT; Path=/; HttpOnly; Secure; SameSite=Strict, NetfliXid=vX3D2X26macX3D30R0DAEAEByfy698gJDCI_OHP5IIFR6B04Ma-1ES9wEX3b1SP69HkaWh469wQdanyCboierVjZLI1FSHvDCLzhp22SH-ReurVIm0ZQ2COF0s1cXJUSQ0550hA_xgdnePeY0EYqjLASLGSXKewU5b0ZgI0E0LdnyVRLVldkyswHm57e1sjfB0wdb1a9gK89ZKvCjKR8YfRPVIZ3xA6Z5QwFIze1n1O3j1frevZQ7bn3qY1QWPMXc3gpd1-t5w0dm8P8W4MnsInf52Z-0a4E43a0ZfU3uIDvrjHk-3XAd7UPOZC8t-q26Rggr9u0ddJlVPM0hC1VSU4HcZ6FxbJ0M4D005xsw0nPE.AZ6btX3DdeV26macX3DAQAEAAABABTXCA50-CqCIqA2xQIAq19NUP19f5H1u8Q; 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>