

## Assignment-2

TEAM ID	PNT2022TMID49561
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
NAME	SRIRAM K
ROLL NO	950019104045
ASSIGNMENT DATE	25 SEPTEMBER 2022

**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 =
```

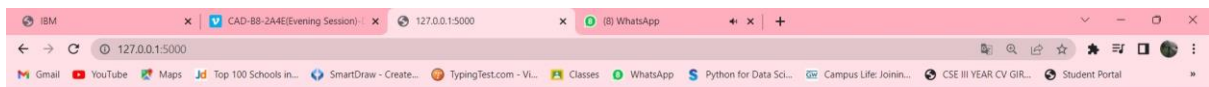
```
    request.form['email'] number =  
        request.form['number'] return  
        redirect('/')
```

```
    return render_template("login.html")
```

```
if __name__ == '__main__':
```

```
app.run(debug=True)
```

## OUTPUT:



welcome [click here](#)

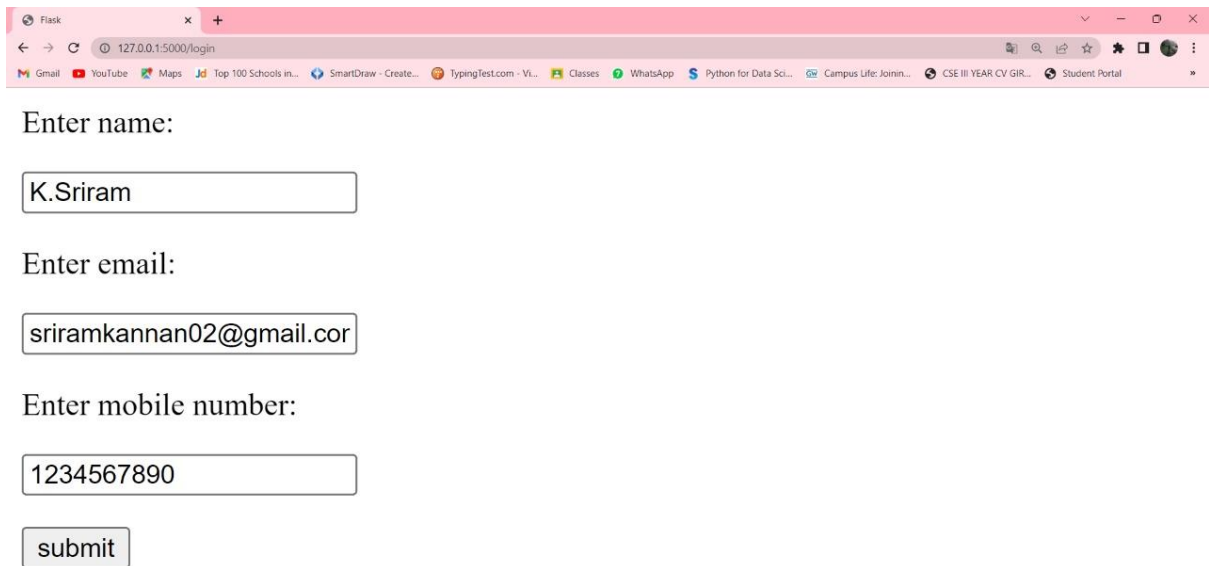


Enter name:

Enter email:

Enter mobile number:

submit



Flask

127.0.0.1:5000/login

Enter name:

K.Sriram

Enter email:

sriramkannan02@gmail.com

Enter mobile number:

1234567890

submit

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

**PROGRAM:**

```
import camelcase import
colorama

from colorama import Fore, Back, Style import
pandas as pd 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

@click.command()

@click.argument('name', default='guest') def

hello(name):

    click.echo('CLICK') click.echo(f'Hello
{name}')
```

```
#pandas
```

```
data = pd.DataFrame({"x1":["y", "x", "y", "x", "x", "y"], # Construct a pandas DataFrame
```

```
    "x2":range(16, 22),
```

```
    "x3":range(1, 7),
```

```
    "x4":["a", "b", "c", "d", "e", "f"],
```

```
    "x5":range(30, 24, - 1)})
```

```
print(data)
```

```
#colorama colorama.init(autoreset=True)
```

```
#Print text using background and font colors
```

```
print(Back.RED + Fore.BLUE + "Welcome to LinuxHint")
```

```
#Add newline
```

```
print()
```

```
#Print text using background color print(Back.GREEN + "I like  
programming")
```

```
#camelcase c = camelcase.CamelCase() txt =
```

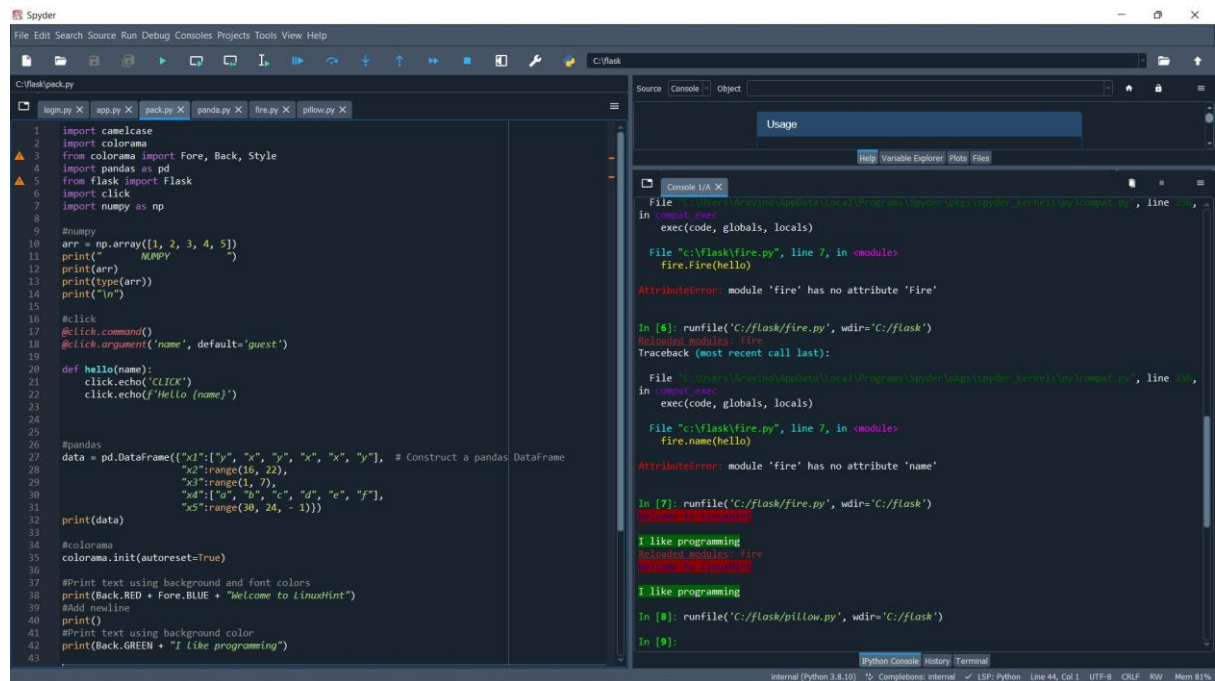
```
"Hello everyone this is my page" print("
```

```
CAMELCASE      ") print(c.hump(txt))
```

```
print("\n")
```

```
if __name__ == '__main__': hello()
```

## OUTPUT:



The screenshot shows the Spyder Python IDE with the file `C:\flask\pack.py` open. The code imports `camelcase`, `colorama`, `pandas`, `flask`, `click`, and `numpy`. It defines a `hello` function, a `DataFrame`, and a `click` command. The console output shows the execution of the code, including the `numpy` array, the `DataFrame`, and the `click` command output. The console also shows the `Usage` of the `fire` module.

```
1 import camelcase
2 import colorama
3 from colorama import Fore, Back, Style
4 import pandas as pd
5 from flask import Flask
6 import click
7 import numpy as np
8
9 #numpy
10 arr = np.array([1, 2, 3, 4, 5])
11 print("      NUMPY")
12 print(arr)
13 print(type(arr))
14 print("\n")
15
16 #click
17 @click.command()
18 @click.argument('name', default='guest')
19
20 def hello(name):
21     click.echo('CLICK')
22     click.echo(f'Hello {name}')
23
24
25 #pandas
26 data = pd.DataFrame({"x1":["y", "x", "y", "x", "y"], # Construct a pandas DataFrame
27                      "x2":range(16, 22),
28                      "x3":range(1, 7),
29                      "x4":["a", "b", "c", "d", "e", "f"],
30                      "x5":range(30, 24, - 1)})
31
32 print(data)
33
34 #colorama
35 colorama.init(autoreset=True)
36
37 #Print text using background and font colors
38 print(Back.RED + Fore.BLUE + "Welcome to Linuxhint")
39 #Add newline
40 print()
41 #Print text using background color
42 print(Back.GREEN + "I like programming")
43
```

Console Output:

```
File "C:\Users\Aravind\AppData\Local\Programs\Spyder\spyder\kernel\ipython\completer.py", line 35,
in complete
exec(code, globals, locals)
File "C:\flask\fire.py", line 7, in <module>
fire.Fire(hello)
AttributeError: module 'fire' has no attribute 'Fire'
In [6]: runfile('C:/flask/fire.py', wdir='C:/flask')
Reloaded modules: fire
Traceback (most recent call last):
File "C:\Users\Aravind\AppData\Local\Programs\Spyder\spyder\kernel\ipython\completer.py", line 35,
in complete
exec(code, globals, locals)
File "C:\flask\fire.py", line 7, in <module>
fire.Fire(hello)
AttributeError: module 'fire' has no attribute 'name'
In [7]: runfile('C:/flask/fire.py', wdir='C:/flask')
Reloaded modules: fire
I like programming
Reloaded modules: fire
I like programming
In [8]: runfile('C:/flask/pillow.py', wdir='C:/flask')
In [9]:
```



The screenshot shows the Windows Command Prompt with the output of running `pack.py`. The output displays the `numpy` array, the `DataFrame`, and the `click` command output. The console also shows the `Usage` of the `fire` module.

```
C:\Flask>python panda.py
x1 x2 x3 x4 x5
0 y 16 1 a 30
1 x 17 2 b 29
2 y 18 3 c 28
3 x 19 4 d 27
4 x 20 5 e 26
5 y 21 6 f 25

C:\Flask>python pack.py
      NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>

x1 x2 x3 x4 x5
0 y 16 1 a 30
1 x 17 2 b 29
2 y 18 3 c 28
3 x 19 4 d 27
4 x 20 5 e 26
5 y 21 6 f 25

I like programming
CAMEL CASE
Lorem Ipsum Dolor Sit Amet

CLICK
Hello guest

C:\Flask>python pack.py
      NUMPY
[1 2 3 4 5]
<class 'numpy.ndarray'>

x1 x2 x3 x4 x5
0 y 16 1 a 30
1 x 17 2 b 29
2 y 18 3 c 28
3 x 19 4 d 27
4 x 20 5 e 26
5 y 21 6 f 25

I like programming
CAMEL CASE
Hello Everyone This is My Page
```