Assignment -2

Assignment Date	25 September 2022
Student Name	Ms.S.Shrimathi(Team leader)
Student Roll Number	950019104042
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:

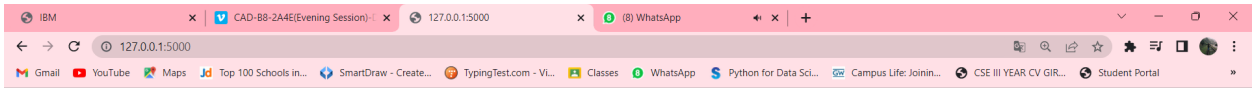
```
<html>
<head>
<title>Flask</title>
</head>
  <body>
     <form action = "/login" method = "post">
        <p> Enter name:</p>
        <p><input type = "text" name = "user" /></p>
        <p> Enter email:</p>
        <p><input type = "text" name= "email" /></p>
        <p> Enter mobile number:</p>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

login.py

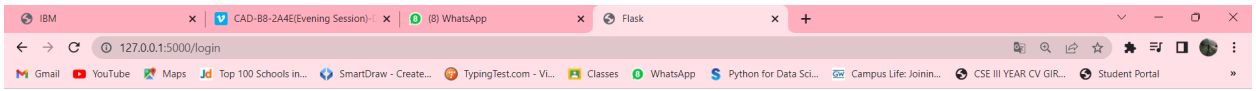
```
from flask import Flask, render_template, redirect, request
app = Flask(__name__)

@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:



welcome click here

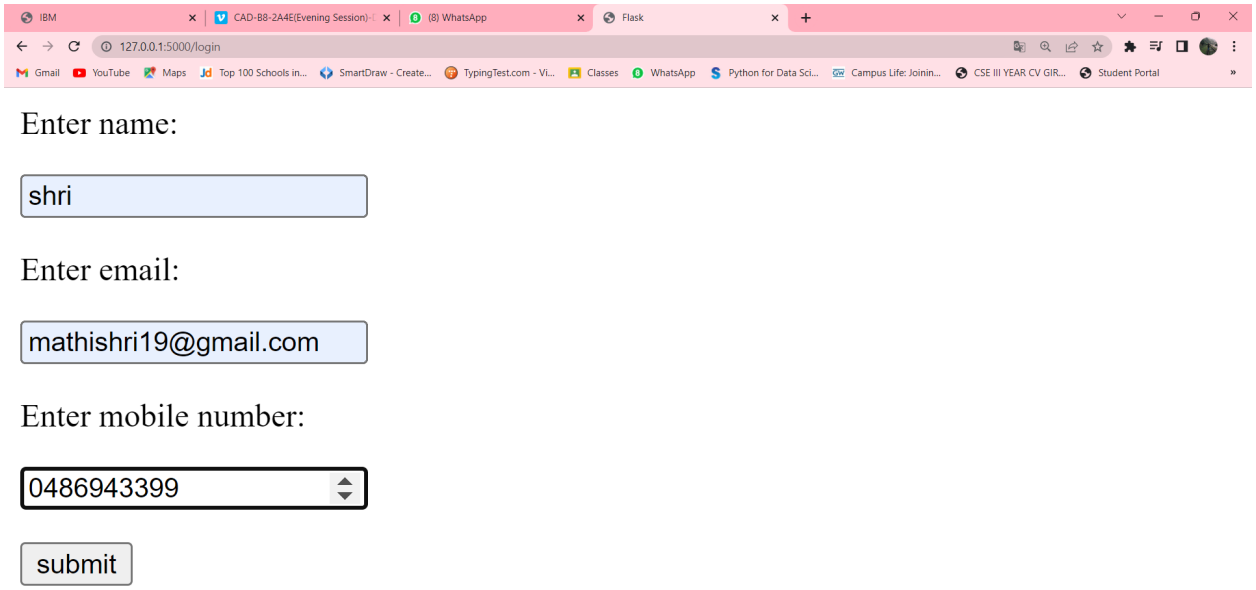


Enter name:

Enter email:

Enter mobile number:

submit



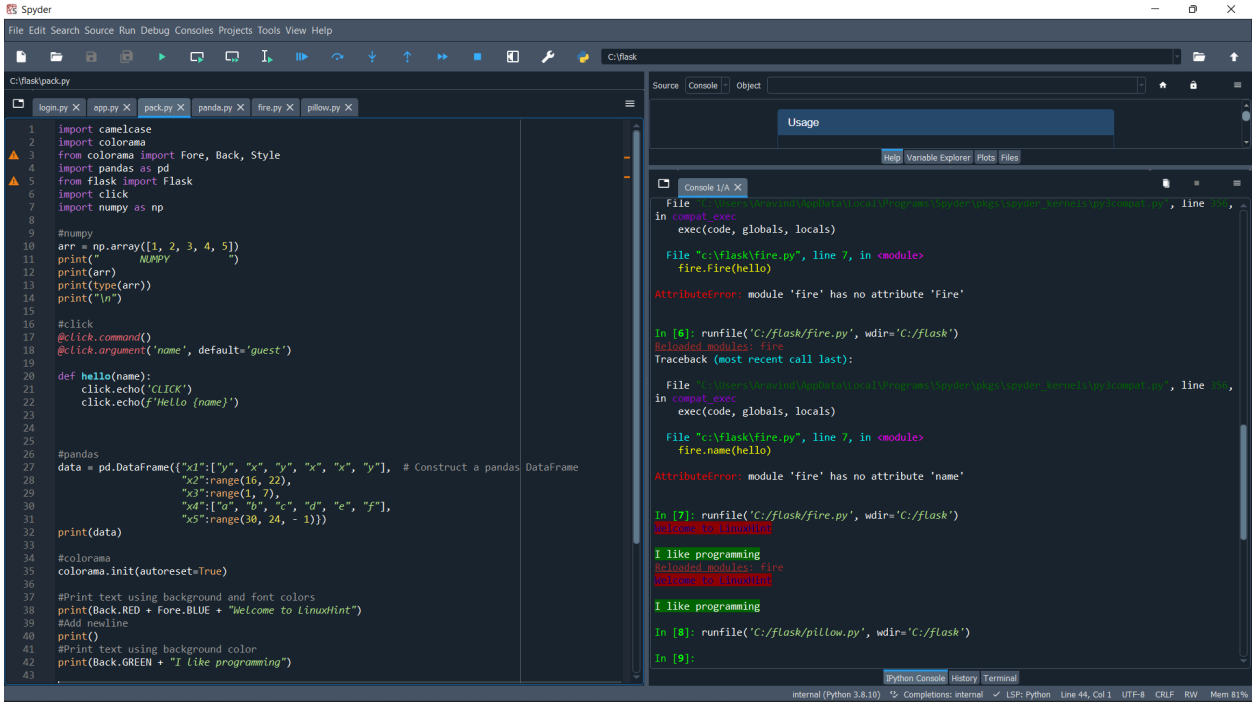
2.Develop a flask program which should contain atleast 5 packages used from pypi.org.

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:


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\flask\pack.py
login.py app.py pack.py panda.py fire.py pillow.py
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")
Source Console Object
Usage
Help Variable Explorer Plots Files
Console 1/A
in compat_exec
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):
in compat_exec
exec(code, globals, locals)
File "c:\flask\fire.py", line 7, in <module>
fire.name(hello)
AttributeError: module 'fire' has no attribute 'name'
In [7]: runfile('C:/flask/fire.py', wdir='C:/flask')
Welcome to LinuxHint
I like programming
Reloaded modules: fire
Welcome to LinuxHint
I like programming
In [8]: runfile('C:/flask/pillow.py', wdir='C:/flask')
In [9]:
IPython Console History Terminal
internal (Python 3.8.10) Completions: internal LSP: Python Line 44, Col 1 UTF-8 CRLF RW Mem 81%


Administrator: Command Prompt
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
Welcome to LinuxHint
I like programming
CAMELCASE
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
Welcome to LinuxHint
I like programming
CAMELCASE
Hello Everyone This is My Page