

ASSIGNMENT-1

Assignment Date	25/09/2022
Student Name	Aman Kumar Singh
Student Roll Number	95071914008
Maximum Marks	2 Marks

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

PROGRAM:

ass_1_1.py (Python File)

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

@app.route('/')
def home():
    return redirect('/login')

@app.route('/login', methods=['POST', 'GET'])
def login():

    if request.method == "POST":

        username = request.form['name']
        email = request.form['email']
        phone = request.form['phone']
        result = [username, email, phone]
        return render_template('user_details.html', result=result)

    return render_template("ass_1_1.html")

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

HTML CODE:

ass_1_1.html(#1)

```
<!doctype html>
<html lang="en">

<head>
  <title>IBM Ass-1_1</title>

  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJT
QUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">
</head>

<body>
  <h1 align="center" class="text-primary" style="padding-top:
10px">Assignment-1_1</h1>
  <div class="container">
    <form action="/login" method="post" class="mb-4" style="text-align:
center">
      <div style="padding-left:90px;padding-right:80px;padding-top:
15px">
        <div class="text-center bg-dark" style="padding: 20px">
          <div class="form-group mb-3 text-success">
            <label for="name">User Name</label>
            <input type="text" name="name" id="name" class="form-
control" placeholder="Enter your name: "
            aria-describedby="helpId">
            <small id="name_help" class="text-muted text-
danger">Please type your name</small>
          </div>
          <div class="form-group mb-3 text-success">
            <label for="email">Email</label>
            <input type="email" name="email" id="email" class="form-
control"
            placeholder="Enter your email: " aria-
describedby="helpId">
            <small id="email_help" class="text-muted text-
danger">Please type your E-mail</small>
          </div>
          <div class="form-group mb-3 text-success">
            <label for="phone">Phone Number</label>
            <input type="tel" name="phone" id="phone" class="form-
control"
            placeholder="Enter your Phone No. : " aria-
describedby="helpId">
```

```

        <small id="phone_help" class="text-muted text-
danger">Please type your mobile</small>
    </div>
</div>
<input class="text-primary" type="submit" name="submit"
id="submit" class="form-control">

</form>

</div>
</body>

</html>

```

user_details.html(#2)

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>User Details</title>
</head>

<body>

    <h1>User Details</h1>
    <p>Username: {{result[0]}} </p><br>
    <p>Email: {{result[1]}} </p><br>
    <p>Phone: {{result[2]}} </p><br>

</body>

</html>

```

OUTPUT:



Assignment-1_1

User Name

aman123

Please type your name

Email

amankumarsinghfx@gmail.com

Please type your E-mail

Phone Number

8838372901

Please type your mobile

Submit



User Details

Username: aman123

Email: amankumarsinghfx@gmail.com

Phone: 8838372901

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

PROGRAM:

ass_1_2.py(#1)

```
from camelcase import CamelCase
import numpy as np
from flask import Flask
from jinja2 import Template
import click
import requests
```

```
# _____ ++++++
+ _____ ++++++
+++++
```

```
arr = np.array([4, 3, 8, 1, 2, 0])
print("This is to show NUMPY Package")
print(arr)
print(type(arr))
print("\n")
```

```
# _____ ++++++
+ _____ ++++++
+++++
```

```
r = requests.get('https://api.spotify.com/')
r.status_code
print("This is to show REQUESTS Package")
print(r.headers)
print("\n")
```

```
# _____ ++++++
+ _____ ++++++
+++++
```

```

template = """hostname {{ hostname }}"""
data = {"hostname": "core-sw-waw-01"}
j2_template = Template(template)
print("This is to show JINJA2 Package")
print(j2_template.render(data))
print("\n")

```

```

# _____+++++
+ _____+++++
+++++

```

```

c = CamelCase()
txt = "lorem ipsum dolor sit amet"
print("This is to show CAMELCASE Package")
print(c.hump(txt))
print("\n")

```

```

# _____+++++
+ _____+++++
+++++

```

```

print("This is to show CLICK Package")
@click.command()
@click.option("--count", default=1, help="Number of greetings.")
@click.option("--name", prompt="Your name", help="The person to greet.")
def ass_1_2(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo(f"Hello, {name}!")

if __name__ == '__main__':
    ass_1_2()

```

OUTPUT:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\Mr.Hackvil\Desktop\IBM Assignments> python -u "c:\Users\Mr.Hackvil\Desktop\IBM Assignments\ass_1_2.py"
This is to show NUMPY Package
[4 3 8 1 2 0]
<class 'numpy.ndarray'>

This is to show REQUESTS Package
{'Connection': 'keep-alive', 'Content-Length': '23195', 'Last-Modified': 'Mon, 19 Sep 2022 22:09:42 GMT', 'ETag': '"fc6d8f2f9c64a2e6ab120afabd538844"', 'x-goog-generation': '1663625382646033', 'x-goog-metageneration': '1', 'x-goog-stored-content-encoding': 'identity', 'x-goog-stored-content-length': '105319', 'x-amz-meta-goog-reserved-file-mtime': '1663625339', 'Content-Type': 'text/html', 'Content-Encoding': 'gzip', 'Accept-Ranges': 'bytes', 'Date': 'Sun, 16 Oct 2022 08:24:54 GMT', 'Age': '72268', 'X-Served-By': 'cache-chi-kign8000027-CHI, cache-maa10244-MAA', 'X-Cache': 'HIT, HIT', 'X-Cache-Hits': '239, 376812', 'Access-Control-Allow-Origin': '*', 'Cache-Control': 'public, max-age=86400'}

This is to show JINJAZ Package
hostname core-sw-waw-01

This is to show CAMELCASE Package
Lorem Ipsum Dolor Sit Amet

This is to show CLICK Package
PS C:\Users\Mr.Hackvil\Desktop\IBM Assignments> |
```