

Assignment 1

Date	19 September 2022
Student Name	Thanush Kumar S
Student Roll No	737819ECR203
Maximum Marks	2 Marks

Question-1:

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

app.py

```
from flask import Flask, request, render_template

app = Flask(__name__)
app.config['DEBUG'] = True

@app.route('/login', methods=("POST", "GET"))
def login():
    name = request.form['name']
    mobile = request.form['mobile']
    email = request.form['email']
    return f'{name} register mobile num as {mobile} and email as {email}'

@app.route('/')
def home():
    return render_template('index.html')

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

index.html

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Simple Reistration Form</title>
</head>

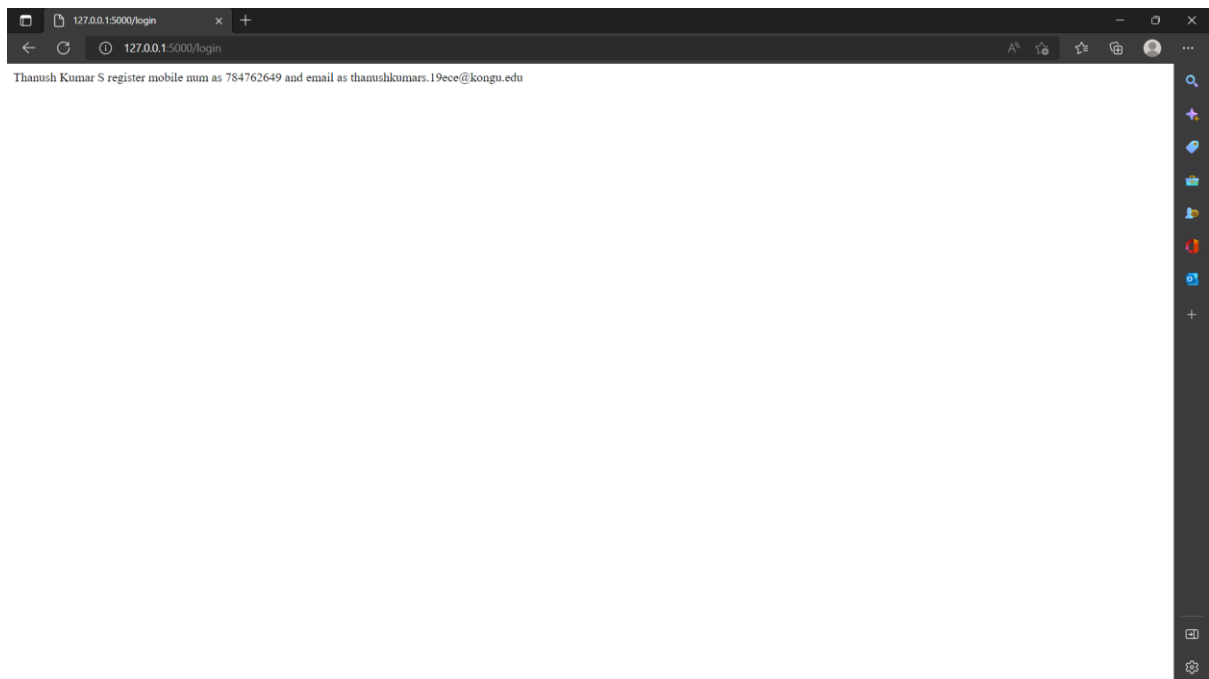
<body>
    <form method="POST" action="http://127.0.0.1:5000/login">
        <div class="container">
            <h1>Sign Up</h1>
```

```
<p>Please fill in this form to create an account.</p>

<label><b>Username</b></label>
<input type="text" name="name" placeholder="Enter Username"
required><br>
<label><b>Email</b></label>
<input type="email" placeholder="Enter Email" name="email"
required><br>

<label><b>Phone Number</b></label>
<input type="phone" name="mobile" placeholder="xxxxxxxxxx"
required>
<div class="clearfix">
  <button type="submit" class="btn">Sign Up</button>
</div>
</div>
</form>
</body>
</html>
```

OUTPUT:



Simple Registration Form

Sign Up

Please fill in this form to create an account.

Username

Email

Phone Number

Question-2:

Develop a flask program which should contain at least 5 packages used from pypi.org.

app.py

```
from flask import Flask

import pandas as pd
import numpy as np
import datetime as dt
from flask_cors import CORS
from scipy import constants

app = Flask(__name__)
CORS(app)
app.config['DEBUG'] = True

@app.route('/')
def home():
    # Pandas
    print('-----')
    a = [1, 7, 2]
    myvar = pd.Series(a)
    print(myvar)

    # Numpy
    print('-----')
    arr = np.array([1, 2, 3, 4, 5])
    print(arr)
```

```

print(type(arr))

# Datetime
print('-----')
today = dt.date.today()
print(today)

# Scipy
print('-----')
print(constants.liter)

print('-----')

return '5 packages used<br/>Pandas Numpy DateTime Scipy Flask-Cors'

if __name__ == '__main__':
    app.run()

```

OUTPUT:

```

PS D:\Projects\NEWPROJ> python -m flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
-----
0 1
1 7
2 2
dtype: int64
-----
[1 2 3 4 5]
<class 'numpy.ndarray'>
-----
2022-10-18
-----
0.001
-----
127.0.0.1 - - [18/Oct/2022 09:34:10] "GET / HTTP/1.1" 200 -

```

