

Assignment -1

Assignment Date	27 September 2022
Student Name	Mr. Joshua Dayalan M
Student Roll Number	9517201904062
Maximum Marks	2 Marks

Question-1:

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

```
<link rel="stylesheet" href="styles.css" type="text/css">

<div class="login-box">

    <h2>Sign Up</h2>

    <form action="login.html" method="post">

        <div class="user-box"><input type="text" id="username" name="username"
required=""><label>Enter Username</label></div>

        <div class="user-box"><input type="email" id="mail" name="mail"
required=""><label>Enter Email id</label></div>

        <div class="user-box"> <input type="number" id="number" name="number"
required=""><label>Enter contact no</label></div>

        <button class="btn" >

            <input type="submit" value="SignUp"/></button>

    </form>

</div>
```

Question-2:

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

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import pendulum
from flask import Flask
import io
from flask import Response
from matplotlib.backends.backend_agg import FigureCanvasAgg as FigureCanvas
from matplotlib.figure import Figure
import seaborn as sns
```

```

app = Flask(__name__)
@app.route('/')
def check():
    x = 5
    y=6
    z=np.add(x,y)
    return ' %d' %z
@app.route('/plot')
def plot_png():
    plt.rcParams["figure.figsize"] = [7.50, 3.50]
    plt.rcParams["figure.autolayout"] = True
    fig = Figure()
    axis = fig.add_subplot(1, 1, 1)
    xs = np.random.rand(100)
    ys = np.random.rand(100)
    axis.plot(xs, ys)
    output = io.BytesIO()
    FigureCanvas(fig).print_png(output)
    return Response(output.getvalue(), mimetype='image/png')
@app.route('/pandas')
def pandas():
    ser=pd.Series([0.25,0.7,0.5])
    return ' %f' %ser[0]
@app.route('/seaborn')
def seaborn():
    fig=Figure()
    x=[i for i in range(100)]
    y=[i for i in range(100)]
    sns.set()
    fig,ax=plt.subplots(1,1)
    sns.lineplot(x,y)
    img = io.BytesIO()
    FigureCanvas(fig).print_png(img)
    return Response(img.getvalue(),mimetype='img/png')
@app.route('/pendulum')
def pendulum1():
    local = pendulum.local(2020, 11,27)
    zone=local.timezone.name
    return '%s' %zone
if __name__ == '__main__':
    app.run()

```