

Assignments

Python Assignment - 1

Date	8 October 2022
Student Name	Ms.Nithyashree R
Student Roll Number	820419104046
Maximum Marks	2 Marks

Questions:

1. Create a registration page in HTML with username, email and phone number and by using POST method displayed in next html page
2. Develop a flask program which should contain atleast 5 packages used from pypi.org

Solution:

1.

First.py

```
from flask import Flask, render_template, request

app = Flask(__name__)

@app.route('/')
def student():

    return render_template("index.html")

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

    if request.method == 'POST':

        result = request.form

        return render_template("index1.html",result = result)

if __name__ == '__main__':

    app.run(debug = True)
```

Index.html

```
<!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>Document</title>
</head>
<body>
  <form action = "http://localhost:5000/result" method = "POST">
    <p>Username <input type = "text" name = "Username" /></p>
    <p>Email <input type = "email" name = "Email" /></p>
    <p>Phone <input type = "number" name = "Phone" /></p>
    <p><input type = "submit" value = "submit" /></p>
  </form>
</body>
</html>
```

Index1.html

```
<!doctype html>
<table border = 1>
  {% for key, value in result.items() %}
    <tr>
      <th> {{ key }} </th>
      <td> {{ value }} </td>
    </tr>
  {% endfor %}
</table>
```

Output

← → ↻ ⓘ localhost:5000

WhatsApp Telegram Web New Tab Gmail My Drive Google Keep GitHub LinkedIn Carrd

Username

Email

Phone

← → ↻ ⓘ localhost:5000/result

WhatsApp Telegram Web New Tab Gmail My Drive Google Keep GitHub LinkedIn Carrd

Username	Nithyasree
Email	nithyasree@gmail.com
Phone	123456789

2.First.py

```
from flask import Flask, render_template, request
from datetime import *
import requests
from dateutil.relativedelta import *
import numpy as np
import random
import wikipedia

app = Flask(__name__)
@app.route('/')
def student():
    b = np.array([[1, 2],[3, 4]])
    val = b.size
    r = requests.get('https://api.spotify.com/')
    a = r.status_code
    date = datetime.now()
    words = ['tree','sun','ball','moon','earth','grass','world']
    word = random.choice(words)
    result = wikipedia.page("ID")
    res = result.summary

    return f'Date is {date}<br>Status Code:{a}<br>Array is {b}<br>Array Size: {val}<br>Random
word:{word}<br>IBM summary<br>{res}'

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

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OUTPUT

