

ASSIGNMENT – 1

Assignment Date	19 September 2022
Student Name	SRIRAM M
Student Roll Number	8204191040302
Maximum Marks	2 Marks

Assignments :

1. Create a registration page in HTML with username, email and phone number and by using POST method displayed in next html page

Solution:

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:



Document x +

File | C:/Users/user/Desktop/assignment/index.html

Username

Email

Phone



Document x index1.html x +

File | C:/Users/user/Desktop/assignment/index1.html

Username	vijithra
Email	vijithrap@gmail.com
Phone	8675463234

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

Solution:

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)

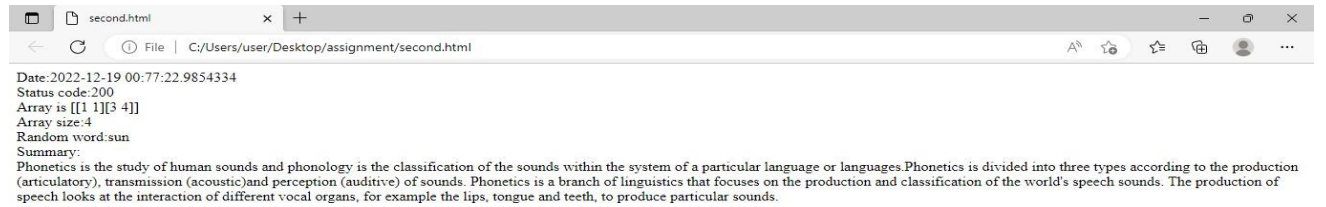
result =
wikipedia.page("ID") res =
result.summary

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:



The screenshot shows a web browser window with a single tab titled 'second.html'. The address bar shows the file path 'C:/Users/user/Desktop/assignment/second.html'. The page content displays the following output:

```
Date:2022-12-19 00:77:22.9854334
Status code:200
Array is [[1 1][3 4]]
Array size:4
Random word:sun
Summary:
Phonetics is the study of human sounds and phonology is the classification of the sounds within the system of a particular language or languages.Phonetics is divided into three types according to the production (articulatory), transmission (acoustic)and perception (auditive) of sounds. Phonetics is a branch of linguistics that focuses on the production and classification of the world's speech sounds. The production of speech looks at the interaction of different vocal organs, for example the lips, tongue and teeth, to produce particular sounds.
```