ASSIGNMENT - 1

Assignment Date	19 September 2022
Student Name	SRIRAM M
Student Roll Number	820419104302
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("index 1.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">
  Username<input type = "text" name = "Username" />
  Email <input type = "email" name = "Email" />
  Phone <input type = "number" name = "Phone" />
  <input type = "submit" value = "submit" />
</form>
</body>
</html>
```

Index1.html

```
<!doctype html>

        {% for key, value in result.items() % }

             {{ key }} 

            {{ value }} 

            {% endfor % }
```

Output:





2 .Develop a flask program which should contain at least 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/>br>Array is {b}<br/>br>Array Size:
{val}<br>Random word:{word}<br>IBM summary<br>{res}'
if__name__== '_main_':
  app.run(debug = True
```

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 of carticulatory, 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.