

Assignment -1
Flask Program - with HTML

Assignment Date	19 September 2022
Student Name	Mr. Nithinrhaj S
Student Roll Number	2019115062
Maximum Marks	2 Marks

Q1. 1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.

CODE:

```
# -*- coding: utf-8 -*-

"""
Created on Sun Oct  9 19:44:54 2022

@author: DELL
"""

from flask import Flask, request, redirect, url_for, render_template

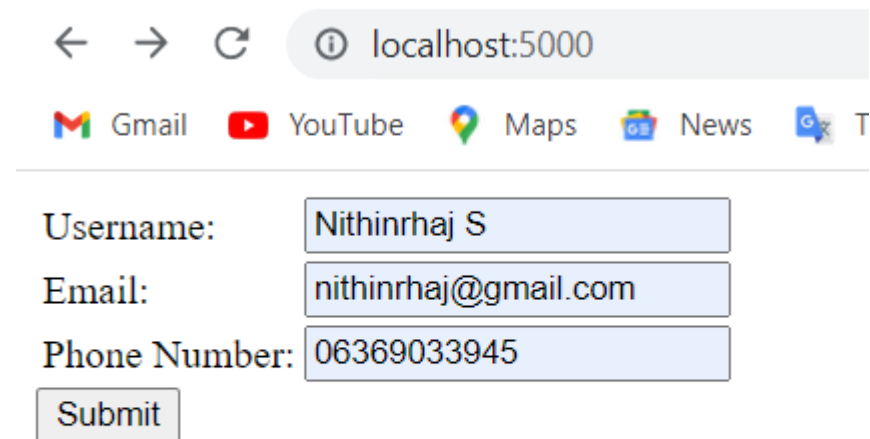
app = Flask(__name__)

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






@app.route("/Register", methods=['GET', 'POST'])
def login():
    if request.method=="POST":
        return render_template('result.html',
name=request.form["name"],
email=request.form["email"],phno=request.form["phno"])

        return redirect(url_for('home'))
```

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



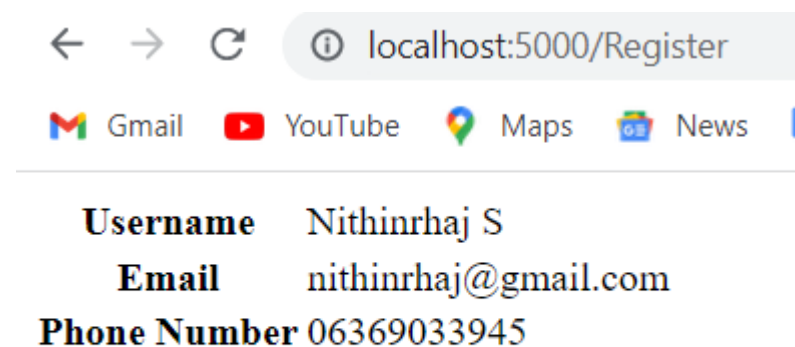
← → ↻ ⓘ localhost:5000

 Gmail  YouTube  Maps  News  T






Username:

Email:

Phone Number:



← → ↻ ⓘ localhost:5000/Register

 Gmail  YouTube  Maps  News 

Username Nithinrhaj S

Email nithinrhaj@gmail.com

Phone Number 06369033945

Q2 . Develop a flask program which should contain at least 5 packages used from pypi.org.

CODE:

```
#!/usr/bin/env python  
  
from flask import Flask, request, redirect, url_for, render_template
```

```
import cowsay
import art
import io
import numpy as np
import base64
import random

from randimage import get_random_image
from PIL import Image

app = Flask(__name__)

@app.route("/")
def home():
    img = Image.fromarray((get_random_image((128, 128)) *
255).astype(np.uint8))

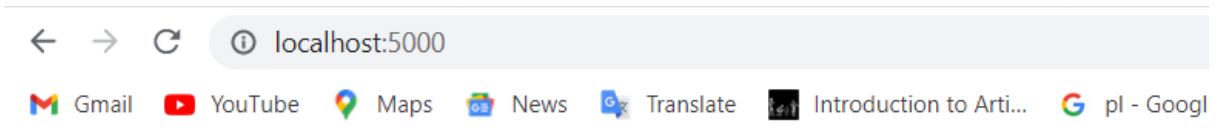
    stream = io.BytesIO()

    img.save(stream, format="PNG")

    imgstream = base64.b64encode(stream.getvalue()).decode()

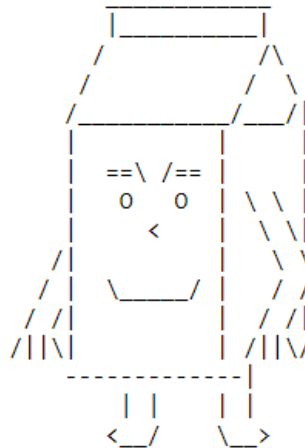
    return render_template('index.html',
cowsay=cowsay.get_output_string(random.choice(cowsay.char_names),
'Hello World'), art=art.text2art("ART", "rnd-xlarge"), img=imgstream)

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



| Hello World |
=====

Cowsay



Art

```
.o.      ooooooooo.  oooooooooooooooooo
.888.    `888  `Y88. 8'   888  `8
.8"888.    888  .d88'   888
.8' `888.    888ooo88P'  888
.88ooo8888.  888`88b.   888
.8' `888.    888 `88b.   888
o88o      o8888o o888o o888o  o888o
```

Img
pillow, numpy, randimage

