Assignment -1 Flask Programs- with HTML

Assignment Date	19 September 2022
Student Name	N. Ramya
Student Roll Number	2019115076
Maximum Marks	2 Marks

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

Solution:

```
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)
```

Register.html

Result.html

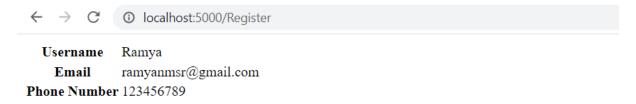
```
<!doctype html>
<html>
     <title>Login</title>
  <body>
              Username
           {{name}}
           Email
           {{email}}
        Phone Number
```

```
(base) C:\Users\DELL>cd documents
(base) C:\Users\DELL\Documents>cd 7th sem
(base) C:\Users\DELL\Documents\7th sem>cd IBM

(base) C:\Users\DELL\Documents\7th sem\IBM>python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
    WARNING: This is a development server. Do not use it in a production deployment.
    Use a production WSGI server instead.
* Debug mode: on
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 134-189-173
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```



Displaying results in next html page:



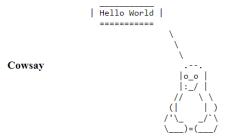
Q2. Develop a flask program which should contain at least 5 packages used from pypi.org.

Solution:

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)
<!doctype html>
<html>
        <title>Login</title>
    </head>
    <body>
        Cowsay
                {{cowsay}}
```

← → C ① localhost:5000



						**
						**
				***	****	******
		***	ķ	****	**** *	******
		* **	* *	**	****	**
Art	*	**	***	**		**
	**	2	**	**		**
	**	2	**	**		**
	**	2	**	**		**
	**	2	**	**		**
	**	2	**	***		**
	*	****	**	**	*	**
		***	**			

