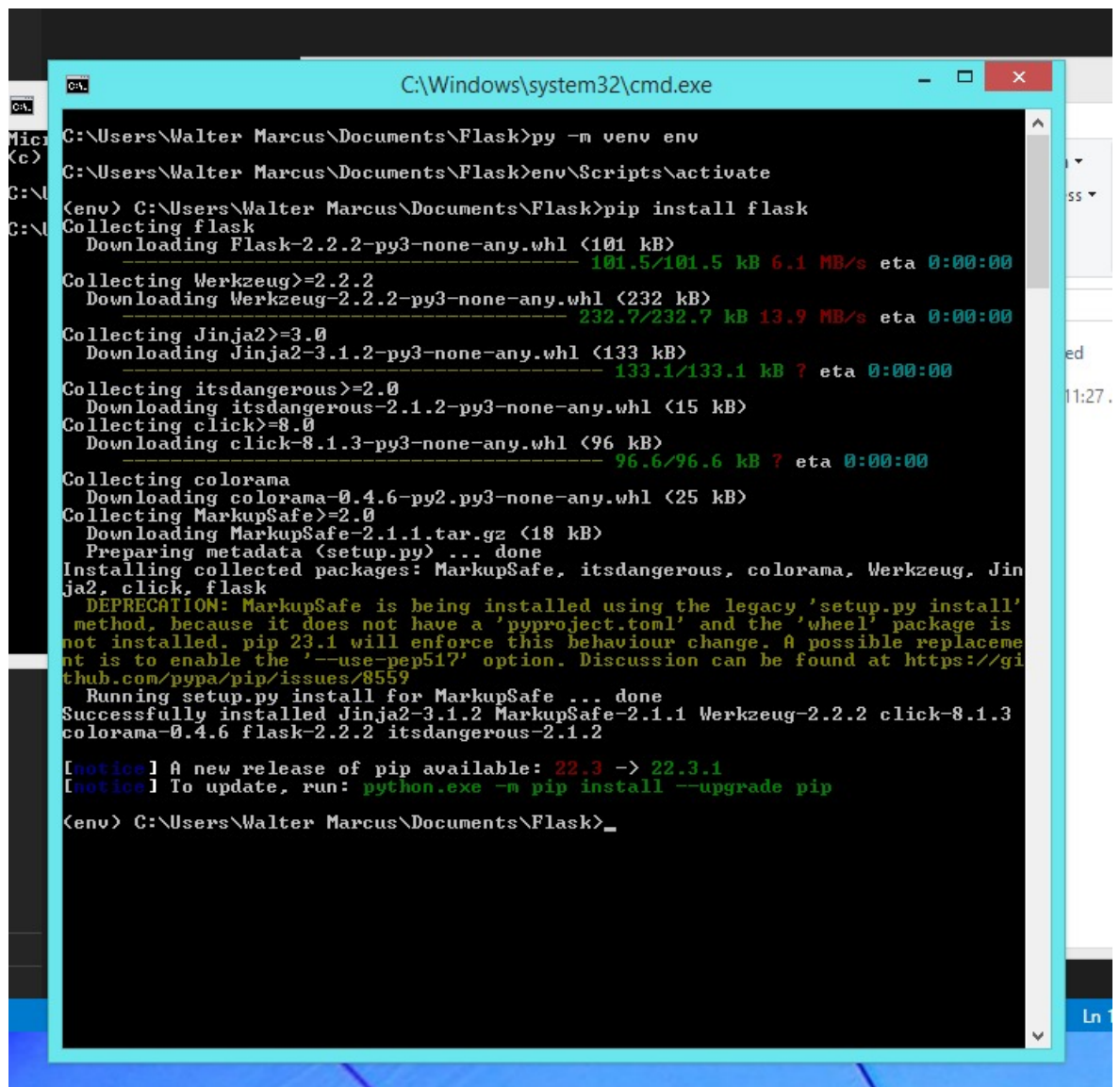


# CREATE FLASK PROJECT

## Flask Creation:

TEAM ID	PNT2022TMID53969
PROJECT TITLE	Plasma Donor Application
TEAM MEMBERS	M.KISHORE KUMAR Aman Kumar Singh Bhuvanesh Jeffery Benison

## Flask install:



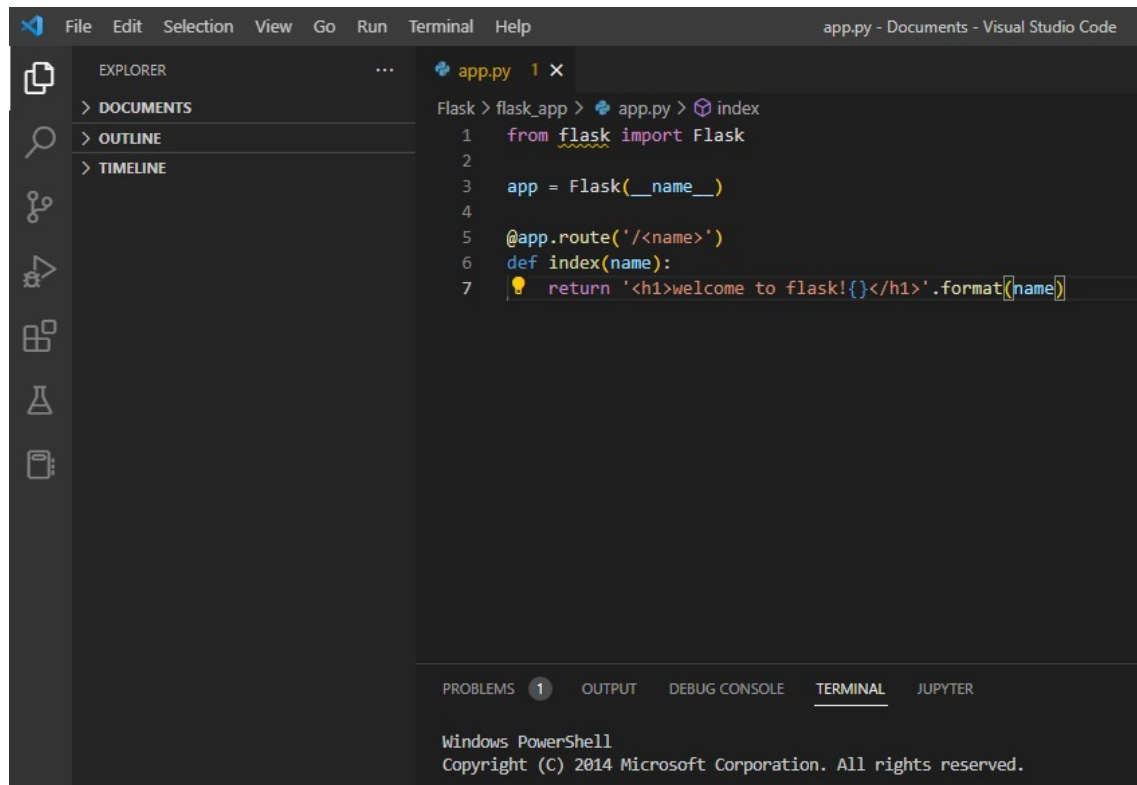
```
C:\Windows\system32\cmd.exe

C:\Users\Walter Marcus\Documents\Flask>py -m venv env
C:\Users\Walter Marcus\Documents\Flask>env\Scripts\activate
(env) C:\Users\Walter Marcus\Documents\Flask>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    ----- 101.5/101.5 kB 6.1 MB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    ----- 232.7/232.7 kB 13.9 MB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    ----- 133.1/133.1 kB ? eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    ----- 96.6/96.6 kB ? eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1.tar.gz (18 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
  DEPRECATION: MarkupSafe is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
  Running setup.py install for MarkupSafe ... done
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.6 flask-2.2.2 itsdangerous-2.1.2

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(env) C:\Users\Walter Marcus\Documents\Flask>
```

## Create flask:

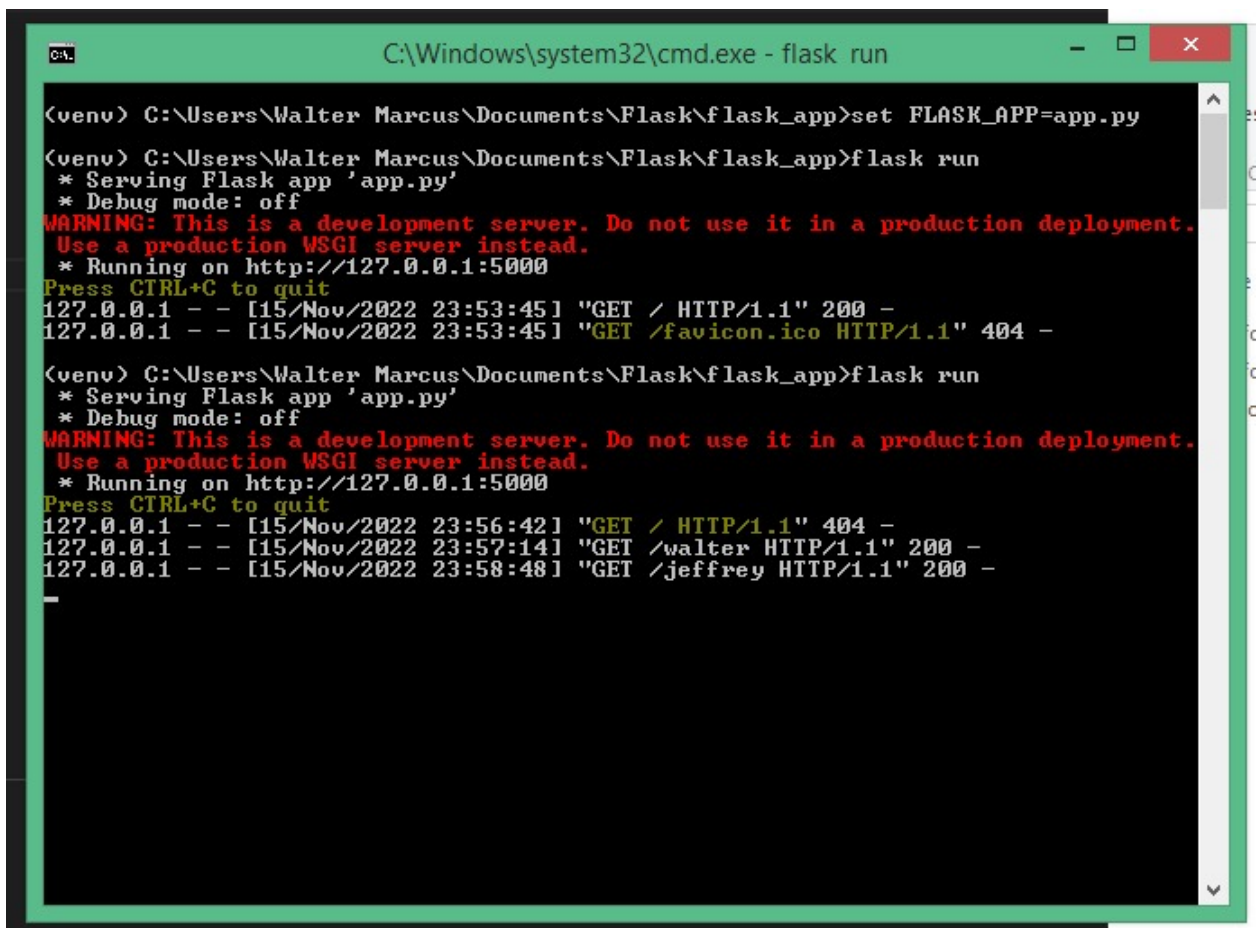


The screenshot shows the Visual Studio Code interface with a file named `app.py` open. The Explorer sidebar on the left shows the file structure. The main editor area displays the following Python code:

```
Flask > flask_app > app.py > index
1  from flask import Flask
2
3  app = Flask(__name__)
4
5  @app.route('/<name>')
6  def index(name):
7      return '<h1>welcome to flask!{}</h1>'.format(name)
```

The bottom of the window shows the TERMINAL tab with the text: "Windows PowerShell Copyright (C) 2014 Microsoft Corporation. All rights reserved."

## Run flask:



The screenshot shows a Windows command prompt window titled "C:\Windows\system32\cmd.exe - flask run". The prompt is in a virtual environment (`(venv)`) and the user is in the directory `C:\Users\Walter Marcus\Documents\Flask\flask_app`. The user enters the command `set FLASK_APP=app.py` and then `flask run`. The output shows the Flask development server starting on `http://127.0.0.1:5000`. The server logs show two requests: a `GET / HTTP/1.1` returning `200` and a `GET /favicon.ico HTTP/1.1` returning `404`. The user then enters `flask run` again, and the server logs show three requests: a `GET / HTTP/1.1` returning `404`, a `GET /walter HTTP/1.1` returning `200`, and a `GET /jeffrey HTTP/1.1` returning `200`.

```
C:\Windows\system32\cmd.exe - flask run

(venv) C:\Users\Walter Marcus\Documents\Flask\flask_app>set FLASK_APP=app.py

(venv) C:\Users\Walter Marcus\Documents\Flask\flask_app>flask run
* Serving Flask app 'app.py'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [15/Nov/2022 23:53:45] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 23:53:45] "GET /favicon.ico HTTP/1.1" 404 -

(venv) C:\Users\Walter Marcus\Documents\Flask\flask_app>flask run
* Serving Flask app 'app.py'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [15/Nov/2022 23:56:42] "GET / HTTP/1.1" 404 -
127.0.0.1 - - [15/Nov/2022 23:57:14] "GET /walter HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 23:58:48] "GET /jeffrey HTTP/1.1" 200 -
```

## Output:

