

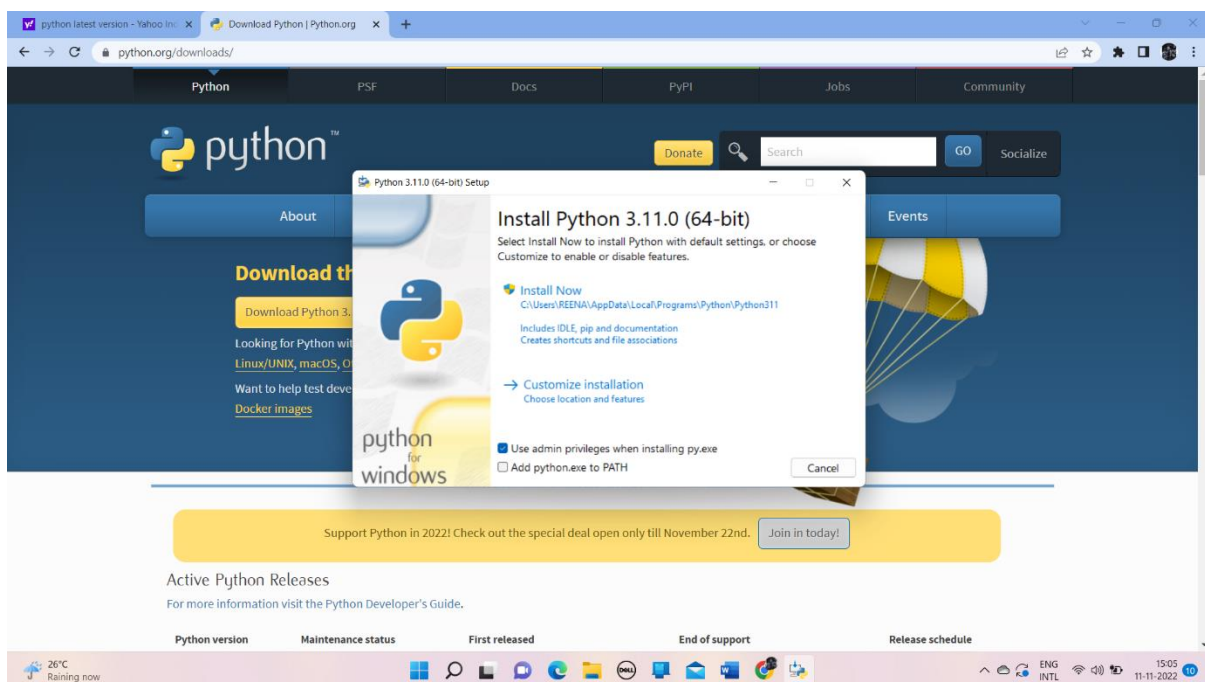
# SETTING UP APPLICATION ENVIRONMENT

## CREATE FLASK PROJECT

|              |                          |
|--------------|--------------------------|
| Date         | 25 September 2022        |
| Team ID      | PNT2022TMID45345         |
| Project Name | Plasma Donor Application |

**Step 1:** Beginning the Flask installation with python installation.

Run the python setup and install the newest version of python.



**Step 2:** Open Command Prompt and cross-verify the installation of python by typing:

To check the version: **python --version**

To check the path: **pip --version**

```
Command Prompt
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\REENA>python --version
Python 3.11.0

C:\Users\REENA>pip --version
pip 22.3 from C:\Program Files\Python311\Lib\site-packages\pip (python 3.11)

C:\Users\REENA>py -m pip --version
pip 22.3 from C:\Program Files\Python311\Lib\site-packages\pip (python 3.11)

C:\Users\REENA>
```

**Step 3:** After python installation, we need to begin with flask installation by typing:

**py -m install flask**

```
Command Prompt
C:\Users\REENA>py -m install flask
C:\Program Files\Python311\python.exe: No module named install

C:\Users\REENA>py -m pip install flask
Defaulting to user installation because normal site-packages is not writeable
Collecting flask
  Using cached Flask-2.2.2-py3-none-any.whl (101 kB)
Collecting Werkzeug>=2.2.2
  Using cached Werkzeug-2.2.2-py3-none-any.whl (232 kB)
Collecting Jinja2>=3.0
  Using cached Jinja2-3.1.2-py3-none-any.whl (133 kB)
Collecting itsdangerous>=2.0
  Using cached itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Using cached click-8.1.3-py3-none-any.whl (96 kB)
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
  WARNING: The script flask.exe is installed in 'C:\Users\REENA\AppData\Roaming\Python\Python311\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
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

C:\Users\REENA>
```

**Step 4:** Now the new version of Python-Flask is successfully installed.

```
Command Prompt
C:\Users\REENA>py -m pip install flask
Defaulting to user installation because normal site-packages is not writeable
Collecting flask
  Using cached Flask-2.2.2-py3-none-any.whl (101 kB)
Collecting Werkzeug>=2.2.2
  Using cached Werkzeug-2.2.2-py3-none-any.whl (232 kB)
Collecting Jinja2>=3.0
  Using cached Jinja2-3.1.2-py3-none-any.whl (133 kB)
Collecting itsdangerous>=2.0
  Using cached itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
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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
  WARNING: The script flask.exe is installed in 'C:\Users\REENA\AppData\Roaming\Python\Python311\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
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

C:\Users\REENA>py -m flask --version
Python 3.11.0
Flask 2.2.2
Werkzeug 2.2.2

C:\Users\REENA>
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import flask
>>> flask.__version__
'2.2.2'
>>>
```

Ln: 6 Col: 0

**Step 5:** Now to run a simple project open Visual Studio Code and type the following:

```
from flask import Flask app = Flask(__name__)
@app.route("/") def hello_world():
return "<p>Hello, World! </p>"
```

And save the file as “**app.py**” copy its path and run it in the command prompt along with syntax **flask run**.

