

# SETTING UP ENVIRONMENT

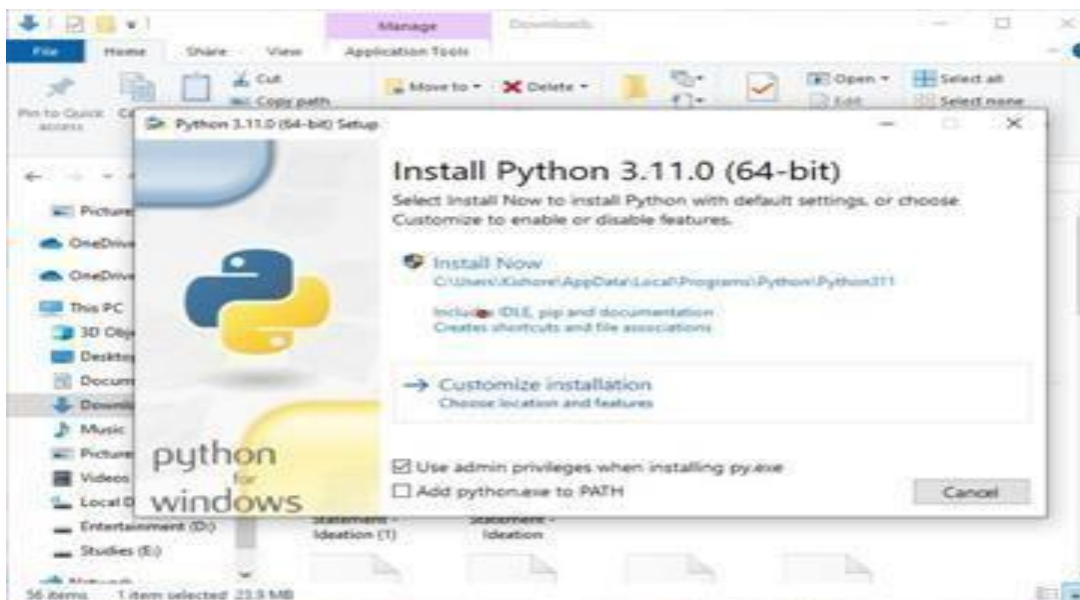
## CREATE FLASK PROJECT

Team ID	PNT2022TMID21852
Project Name	Plasma Donor Application
Date of complete	19 NOV 2022

**Step 1:** Beginning the Flask installation with python installation from the official account:

<https://www.python.org/>.

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**

```
Microsoft Windows [Version 10.0.22000.739]
(c) Microsoft Corporation. All rights reserved.

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

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

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

C:\Users\thend>
```

To check the path `pip --version`

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

Flask installation : `py -m install flask`

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

C:\Users\ranga>py -m pip install flask
Defaulting to user installation because normal site-packages is not writeable
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    ..... 101.5/101.5 kB 277.3 kB/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 284.5 kB/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 341.3 kB/s 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 345.4 kB/s 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
WARNING: The script flask.exe is installed in 'C:\Users\ranga\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\ranga>
```

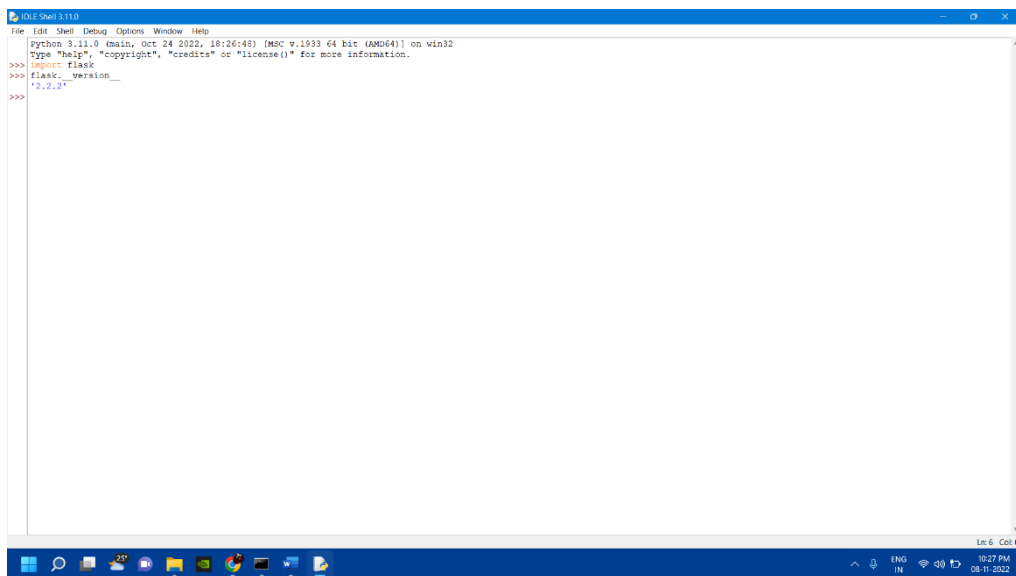
**Step 4:** Now the new version of Python-Flask is successfully installed

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

C:\Users\ranga>py -m pip install flask
Defaulting to user installation because normal site-packages is not writeable
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    ..... 101.5/101.5 kB 277.3 kB/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 284.5 kB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
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  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 345.4 kB/s 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
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Running setup.py install for MarkupSafe ... done
WARNING: The script flask.exe is installed in 'C:\Users\ranga\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\ranga>py -m flask --version
Python 3.11.0
Flask 2.2.2
Werkzeug 2.2.2
```



**Step 5:** Now to run a simple project open VS 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**

