

## Getting Started with Flask Project:

### Step 1:

#### Installation of Python, pip and Flask

```
Command Prompt
Microsoft Windows [Version 10.0.19045.2130]
(c) Microsoft Corporation. All rights reserved.

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

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

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

C:\Users\Home>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 801.0 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 1.3 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 1.3 MB/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)
----- 96.0/96.0 kB 1.4 MB/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\Home\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

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

### Step-2:

#### Creating a Flask Project

```
script.py - C:\Users\Home\Desktop\script.py (3.11.0)
File Edit Format Run Options Window Help
from flask import Flask

app = Flask(__name__) #creating the Flask class object
@app.route('/') #decorator defines the
def home():
    return "This is my first flask website"

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

IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Home\Desktop\script.py =====
* Serving Flask app 'script'
* Debug mode: on
[[31m[[WARNING: This is a development server. Do not use it in a production de
ployment. Use a production WSGI server instead.]]0m
* Running on http://127.0.0.1:5000
[[33mPress CTRL+C to quit]]0m
* Restarting with stat
|
```