

# Flask

Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. However, Flask supports extensions that can add application features as if they were implemented in Flask itself. Extensions exist for object-relational mappers, form validation, upload handling, various open authentication technologies and several common framework related tools.

[https://en.wikipedia.org/wiki/Flask\\_\(web\\_framework\)](https://en.wikipedia.org/wiki/Flask_(web_framework))

## Installation

Create an environment:

```
mkdir myproject
cd myproject
python3 -m venv .venv
```

Activate the environment:

```
. .venv/bin/activate
```

Install Flask:

```
pip3 install Flask
```

Source: <https://flask.palletsprojects.com/en/2.3.x/installation/>

## Quick Start

Minimal application:

[hello.py](#)

```
from flask import Flask

app = Flask(__name__)

@app.route("/")
def hello_world():
    return "<p>Hello, World!</p>"
```

Run dev server:

```
flask --app hello run
```

```
* Serving Flask app 'hello'  
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
```

Access from browser: <http://127.0.0.1:5000/>

Result:

```
Hello, World!
```

Source: <https://flask.palletsprojects.com/en/2.3.x/quickstart/>

[python](#)

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