Welcome to Flask Python Framework

Flask

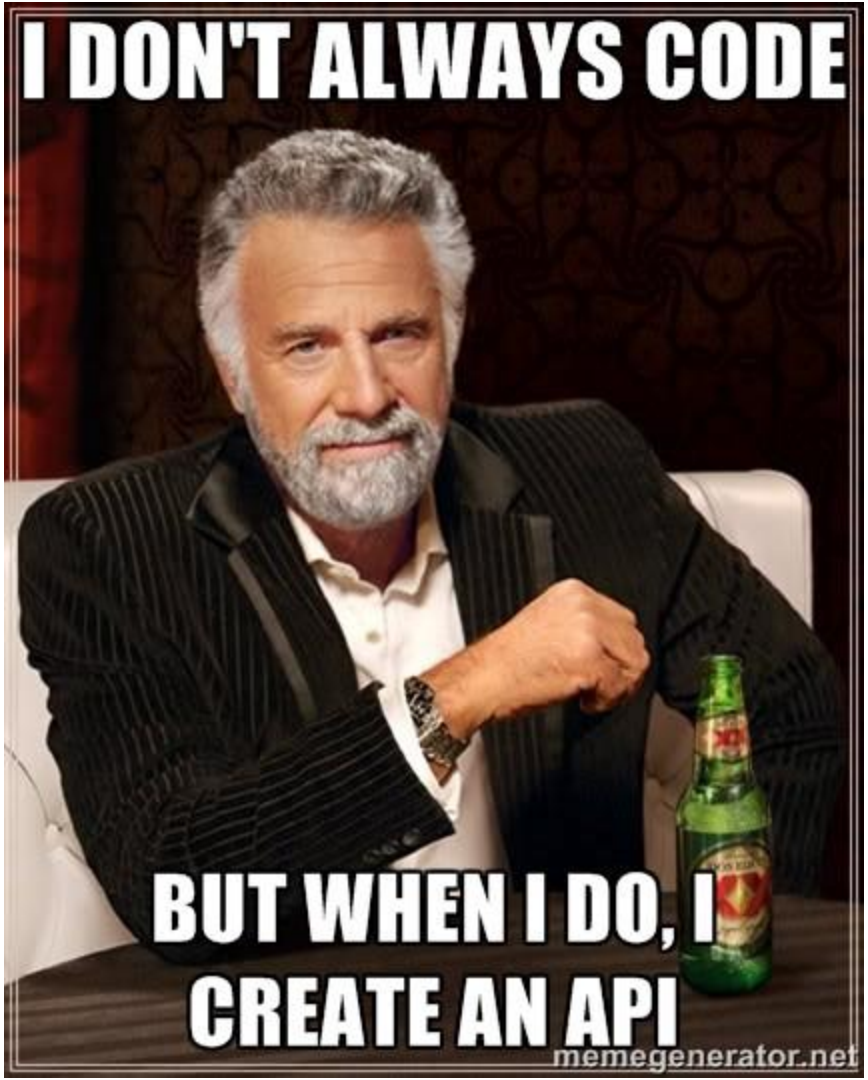
Flask is a web application framework written in Python

Flask is based on the Werkzeug WSGI toolkit and Jinja2 template engine

Web Server Gateway Interface (WSGI) has been adopted as a standard for Python web application development. Its an interface between the web server and the web applications.

Werkzeug is a WSGI toolkit, which implements requests, response objects, and other utility functions.

Jinja2 is a popular templating engine for Python, render dynamic web pages.


I DON'T ALWAYS CODE
BUT WHEN I DO, I
CREATE AN API
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Create an API - this is enough

```python
from flask import Flask

app = Flask(__name__)

@app.route('/')
def hello():
    return "Hello, Flask!"

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

Requirements

1. Create a virtual environment and activate it.

   virtualenv --python=python3.6 env

   source env/bin/activate

2. Install Flask by using pip

   pip install flask

4 Steps to Create an API

1. Importing flask module in the project is mandatory.

   from flask import Flask

2. Flask constructor takes the name of current module (__name__) as argument.

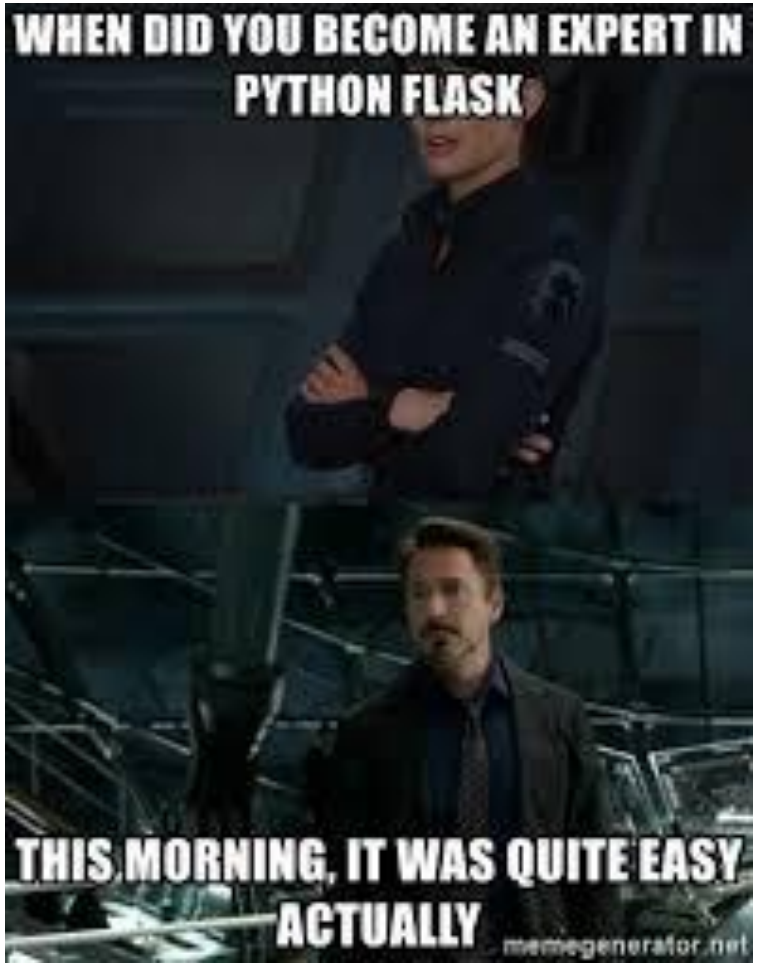
   app = Flask(__name__)

3. The route() decorator in Flask is used to bind URL to a function

   app.route(rule, options)

4. run() method runs the application on the local development server.

   app.run(host, port, debug, options)


WHEN DID YOU BECOME AN EXPERT IN PYTHON FLASK
THIS MORNING, IT WAS QUITE EASY ACTUALLY
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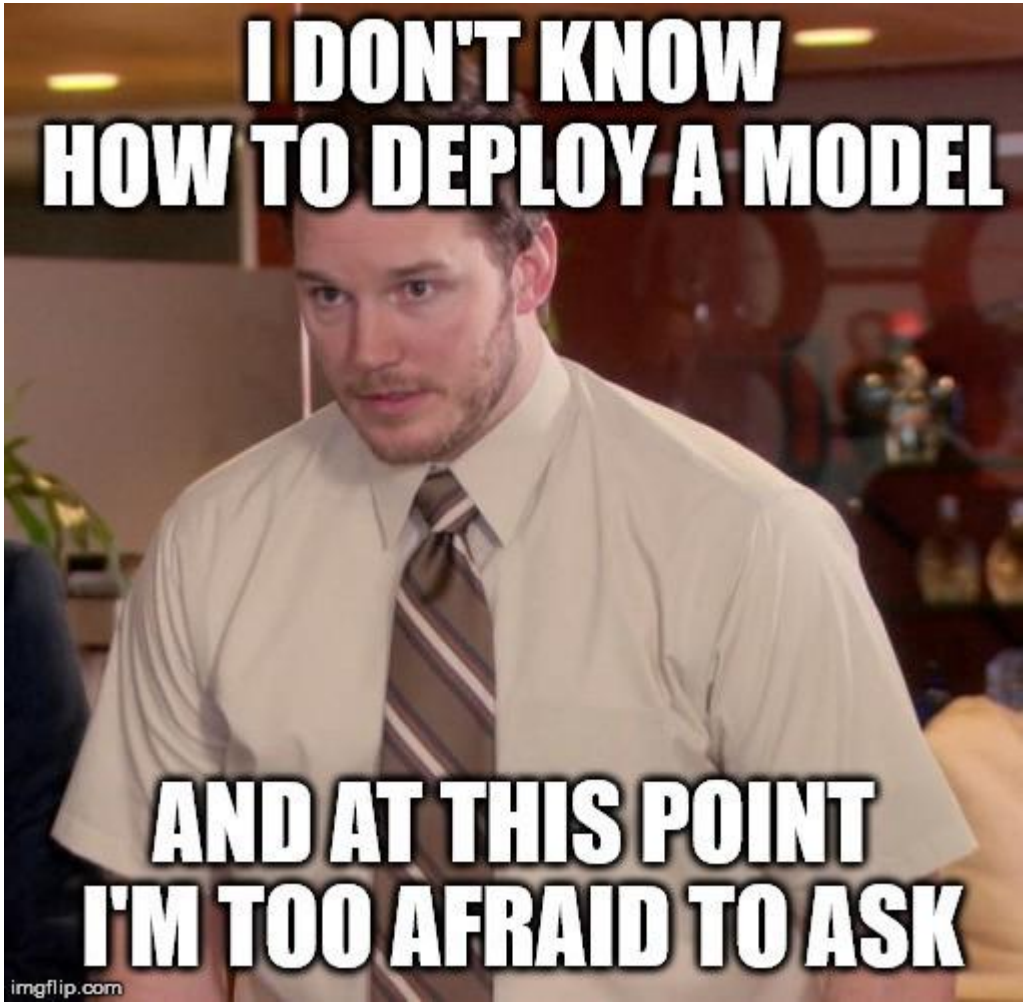
How to become an Expert in Python Flask ?

1. Dynamic URL binding
2. HTTP methods of data retrieval from specified URL
3. Send and Receive response to webserver using REST API CLIENT
4. Jinja2 is a popular templating engine for Python, render dynamic web pages.
5. Results to serve as an API
6. Globally Depoly our application. Our Local system as a Web Server. No need AWS, GCP and other Cloud platform for deploy our application.


I DON'T KNOW
HOW TO DEPLOY A MODEL
AND AT THIS POINT
I'M TOO AFRAID TO ASK
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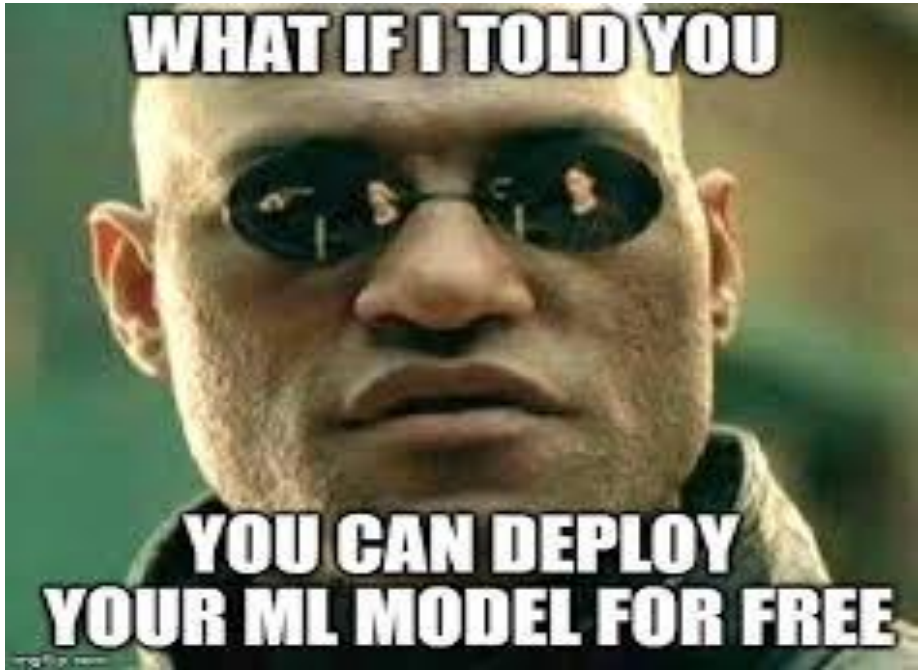
WHAT IF I TOLD YOU
YOU CAN DEPLOY
YOUR ML MODEL FOR FREE

Don’t afraid because now you know How to deploy a application

Let’s GO For Practical Session