

Create a flask project

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Project Title	Personal Expense Tracker Application
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Step1:Python Install

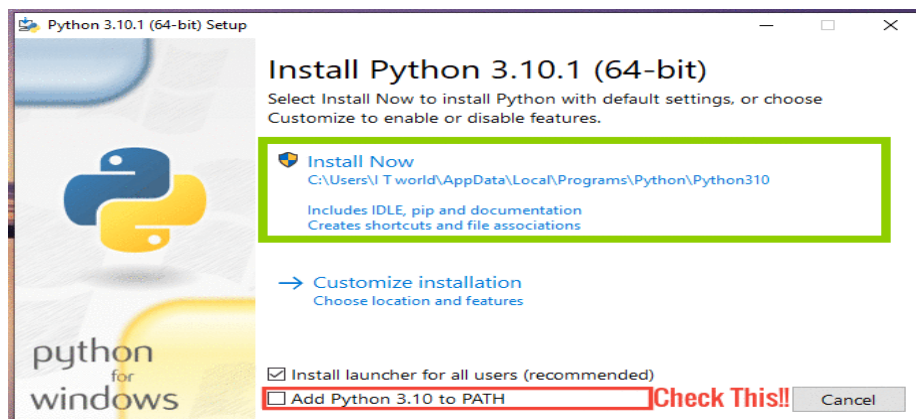
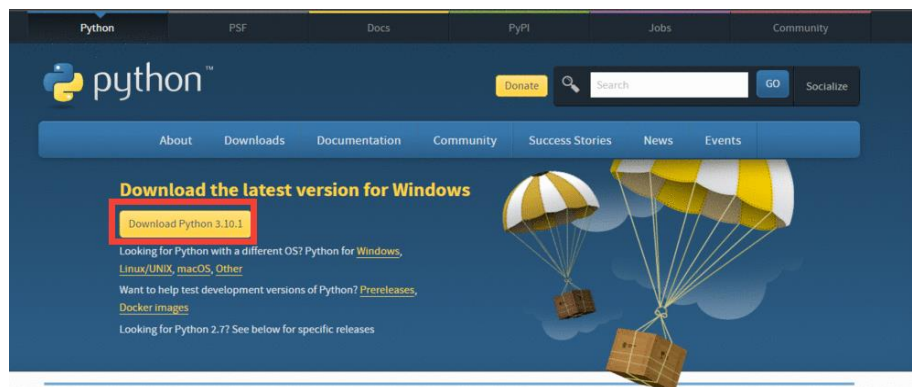
Step2:Install Flask

Step3:Code write Idle

Step4:Run Flask

Step1:Python Install

You can download Python from its official website here. The latest version of Python is 3.10.1 (at the time of writing this article). It's not the most popular one but we will be using it for the purpose of this article.



Step2:Install Flask

Flask is basically a python module. It can work with python only and it is a web-developing framework. It is a collection of libraries and modules. Frameworks are used for developing web platforms. Flask is such a type of web application framework. It is completely written in Python language

Within the activated environment, use the following command to install Flask:

Pip install Flask

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SURIYA>pip install flask
Requirement already satisfied: flask in c:\users\suriya\appdata\roaming\python\python310\site-packages (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\suriya\appdata\roaming\python\python310\site-packages (from flask) (2.1.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\suriya\appdata\roaming\python\python310\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\suriya\appdata\roaming\python\python310\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\suriya\appdata\roaming\python\python310\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\suriya\appdata\roaming\python\python310\site-packages (from click>=8.0->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\suriya\appdata\roaming\python\python310\site-packages (from Jinja2>=3.0->flask) (2.1.1)

C:\Users\SURIYA>
C:\Users\SURIYA>
```

After that, also the following two commands should be run. These commands will start Flask in the command prompt. Hence, the process is completed successfully.

Import flask

```
C:\WINDOWS\system32\cmd.exe - python
Microsoft Windows [Version 10.0.19043.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SURIYA>python
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import flask
>>>
```

Step3:Code write Idle

We can test that our development environment is configured correctly by creating a simple Flask application. We'll grab the nine-line example from Flask's homepage and drop it in a new file called **app.py**.



```
app.py - C:\Users\SURIYA\Desktop\IBM_PROJECT\Flask app\app.py (3.10.8)
File Edit Format Run Options Window Help

#!/usr/bin/env python
from flask import Flask
app = Flask(__name__)

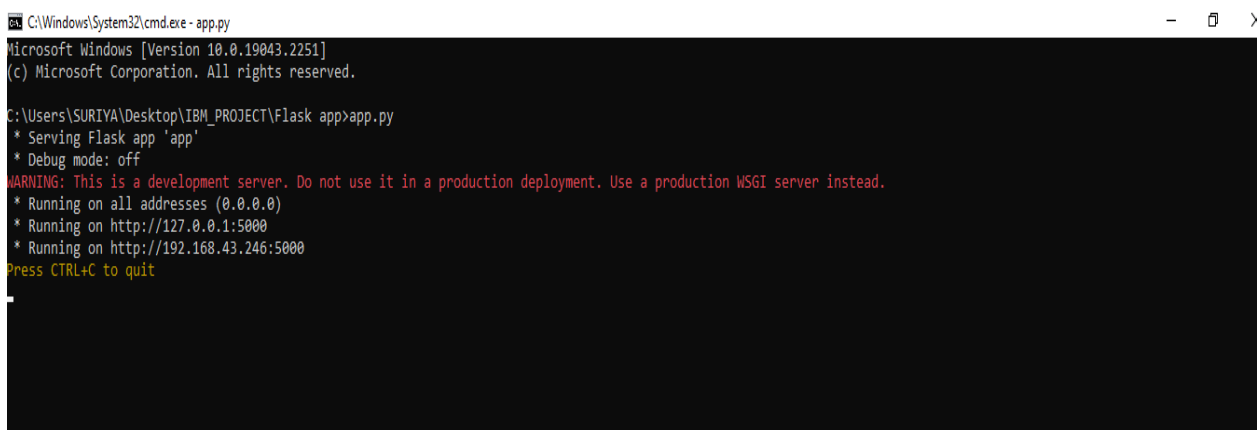
@app.route('/')
@app.route('/hello') # this route is not working
@app.route('/hello/')
def hello_world():
    return 'Hello World!\n'

@app.route('/hello/<username>') # dynamic route
def hello_user(username):
    # show the user profile for that user
    return 'Why Hello %s!\n' % username

if __name__ == '__main__':
    app.run(host='0.0.0.0') # open for everyone
```

Step4:Run Flask

We can then try running our new Flask application with the command **python app.py**. You can then open <http://localhost:5000> in your browser, and you should see the “Hello World!” response.



```
C:\Windows\System32\cmd.exe - app.py
Microsoft Windows [Version 10.0.19043.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SURIYA\Desktop\IBM_PROJECT\Flask app>app.py
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://192.168.43.246:5000
Press CTRL+C to quit
```

Output:

