

## FLASK INSTALLATION :

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
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C:\Users\CSEPL0023>python --version
Python 3.7.4

C:\Users\CSEPL0023>pip --version
pip 19.0.3 from c:\program files\python37\lib\site-packages\pip (python 3.7)

C:\Users\CSEPL0023>py -m pip --version
pip 22.2.2 from c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages\pip (python 3.10)

C:\Users\CSEPL0023>py -m pip install flask
Requirement already satisfied: flask in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: Jinja2>=3.0 in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: colorama in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\csepl0023\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: C:\Users\CSEPL0023\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip

C:\Users\CSEPL0023>py -m flask --version
python 3.10.7
flask 2.2.2
werkzeug 2.2.2

C:\Users\CSEPL0023>
```

## FLASK PROJECT :

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
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C:\Users\CSEPL0023\Desktop\flaskproject>app.py

C:\Users\CSEPL0023\Desktop\flaskproject>
```

The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code is a simple Flask application that returns "Hello World" at the root URL. The terminal window at the bottom shows the command prompt running `python app.py`, which successfully starts the Flask development server on `http://127.0.0.1:5000`. The terminal output includes the Flask version, the development server's location, and the URL where the application is running. The status bar at the bottom indicates the file is at line 9, column 24, using UTF-8 encoding, and the Python interpreter is set to the local environment.

```
File Edit Selection View Go Run Terminal Help
app.py - Visual Studio Code

app.py
1 from flask import Flask
2 app = Flask(__name__)
3
4 @app.route("/")
5 def index():
6     return "ch1>Hello World</h1>"
7
8 if __name__ == '__main__':
9     app.run(debug=True)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
File "c:\Users\CSEPL0023\Desktop\flaskproject\app.py", line 1, in <module>
  from flask import Flask
ImportError: cannot import name 'Flask' from 'flask' (c:\Users\CSEPL0023\AppData\Local\Programs\Python\Python310\lib\site-packages\flask\__init__.py)
PS C:\Users\CSEPL0023\Desktop\flaskproject> c:\Users\CSEPL0023\Desktop\flaskproject> & 'c:\Users\CSEPL0023\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\CSEPL0023\vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '59757' '--' 'c:\Users\CSEPL0023\Desktop\flaskproject\app.py'
Traceback (most recent call last):
  File "c:\Users\CSEPL0023\Desktop\flaskproject\app.py", line 1, in <module>
    from flask import Flask
  from flask import flask
ImportError: cannot import name 'Flask' from 'flask' (c:\Users\CSEPL0023\AppData\Local\Programs\Python\Python310\lib\site-packages\flask\__init__.py)
PS C:\Users\CSEPL0023\Desktop\flaskproject> c:\Users\CSEPL0023\Desktop\flaskproject> & 'c:\Users\CSEPL0023\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\CSEPL0023\vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '59825' '--' 'c:\Users\CSEPL0023\Desktop\flaskproject\app.py'
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 109-157-567
127.0.0.1 - - [08/Nov/2022 12:39:00] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/Nov/2022 12:39:00] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/Nov/2022 12:39:00] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [08/Nov/2022 12:39:00] "GET /favicon.ico HTTP/1.1" 404 -

Ln 9, Col 24  Spaces: 4  UTF-8  CRLF  Python  3.10.7 64-bit
```

OUTPUT :



