

NEWS TRACKER APPLICATION

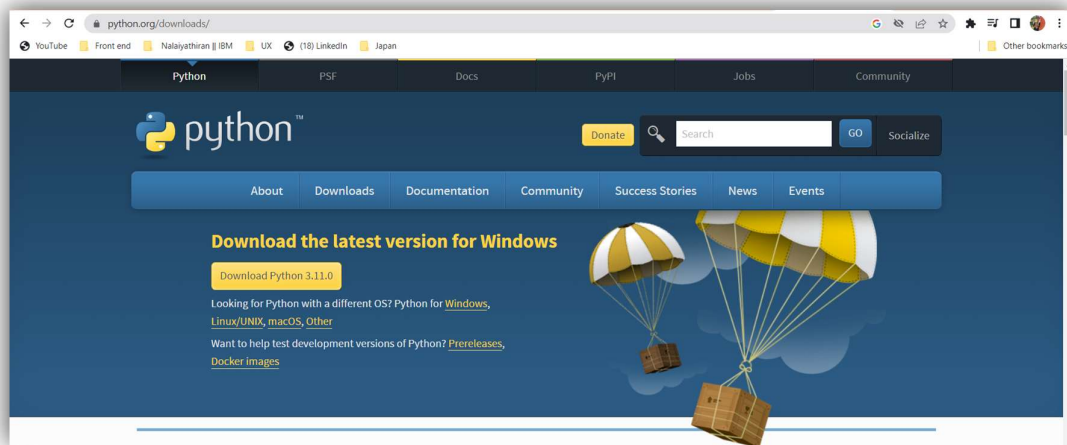
Team ID: PNT2022TMID22947

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1)Setting Up of Project Environment

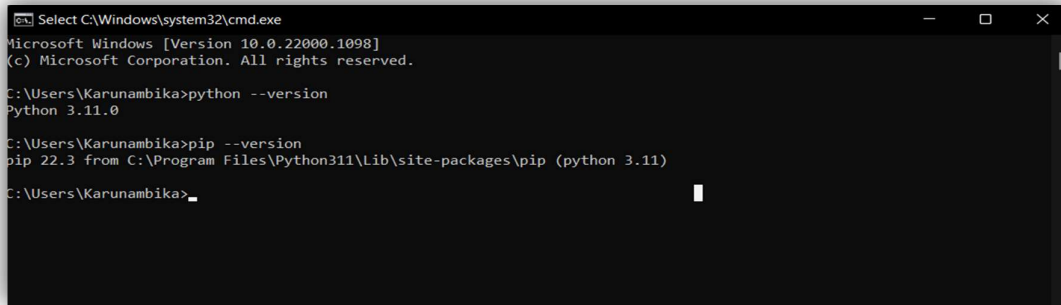
Step 1: Install Python (3.11.x), pip, IDLE



- Features like **PIP**, **IDLE**, py Launcher, Python test suite will be downloaded along with python
- Here PIP is used to manage and install python packages
- IDE to run programs

Step 2: Verification Of Installation

Verify the installation using command prompt

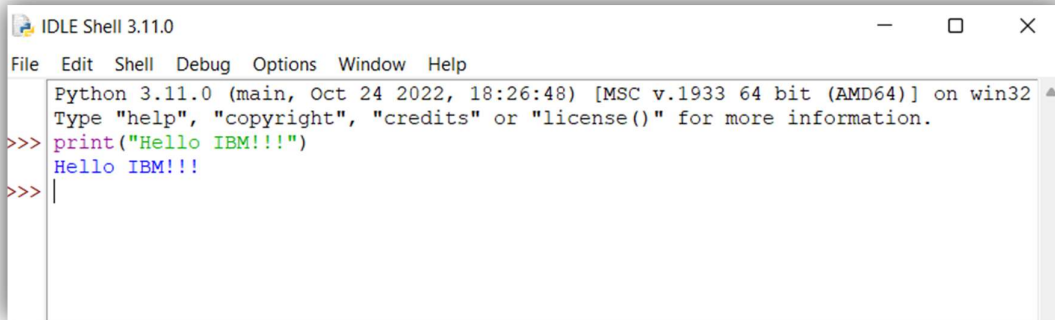


```
Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

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

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

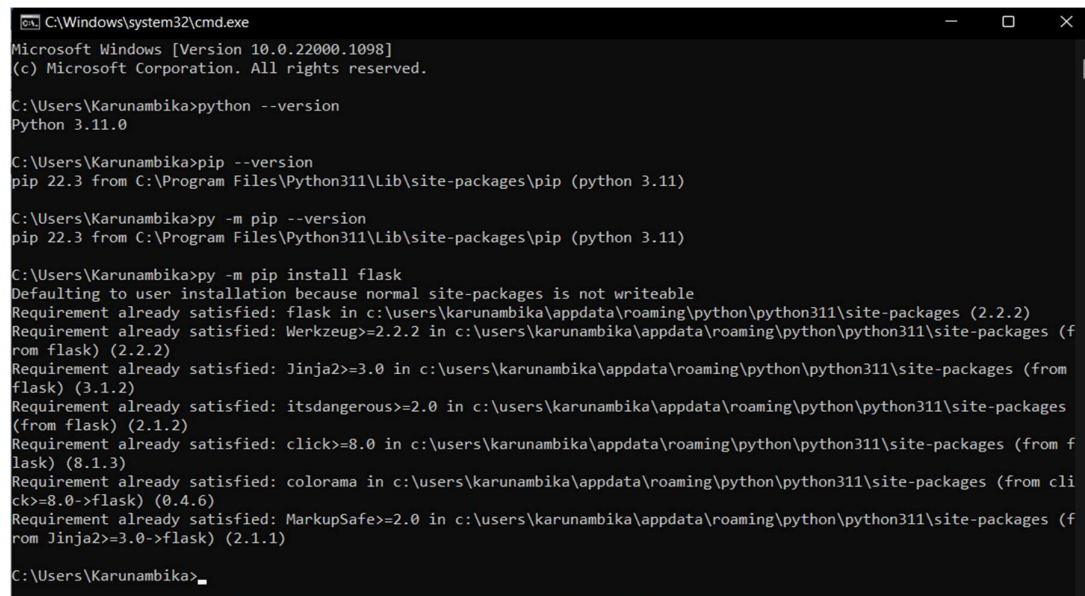
C:\Users\Karunambika>
```



```
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.
>>> print("Hello IBM!!!")
Hello IBM!!!
>>>
```

Step 3 : Installing Flask

The Flask is installed using command: `py -m pip install flask`



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

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

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

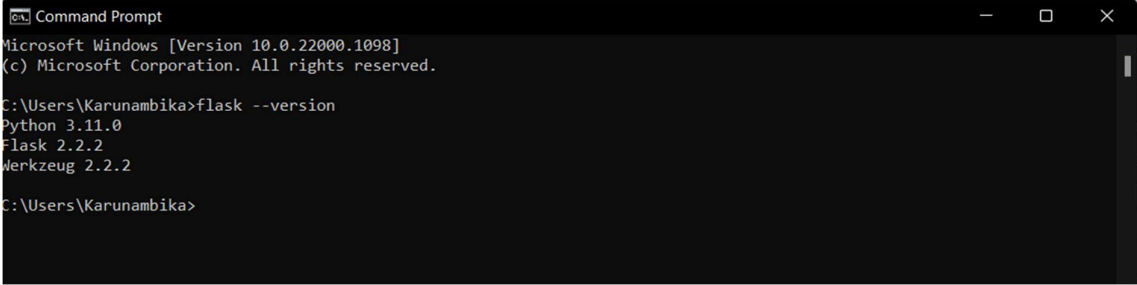
C:\Users\Karunambika>py -m pip --version
pip 22.3 from C:\Program Files\Python311\Lib\site-packages\pip (python 3.11)

C:\Users\Karunambika>py -m pip install flask
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: flask in c:\users\karunambika\appdata\roaming\python\python311\site-packages (2.2.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from flask) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from flask) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from click>=8.0->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\karunambika\appdata\roaming\python\python311\site-packages (from Jinja2>=3.0->flask) (2.1.1)

C:\Users\Karunambika>
```

Hence, flask is already installed successfully

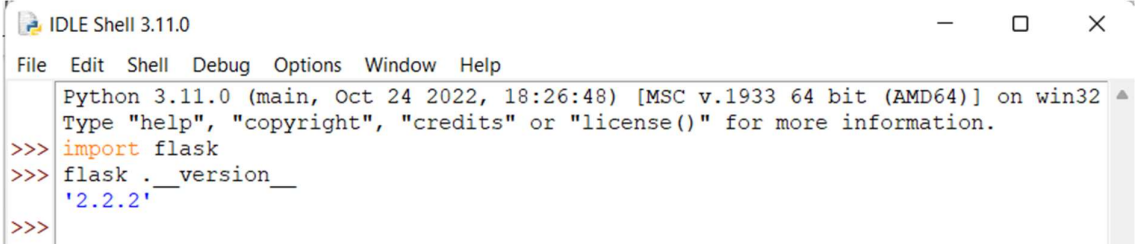
Step 5 : Verification of Flask Installation



```
Command Prompt
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Karunambika>flask --version
Python 3.11.0
Flask 2.2.2
Werkzeug 2.2.2

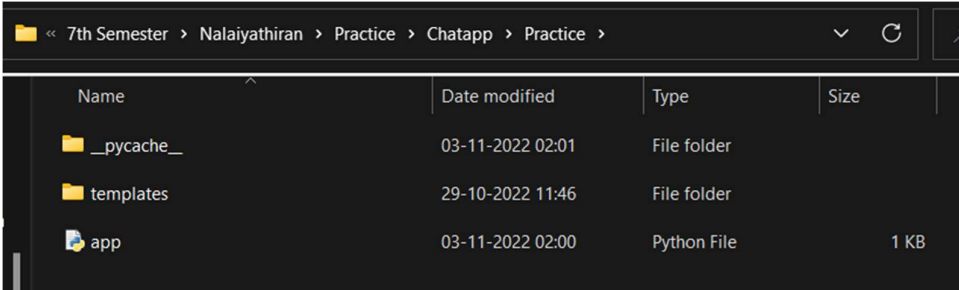
C:\Users\Karunambika>
```



```
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.
>>> import flask
>>> flask.__version__
'2.2.2'
>>>
```

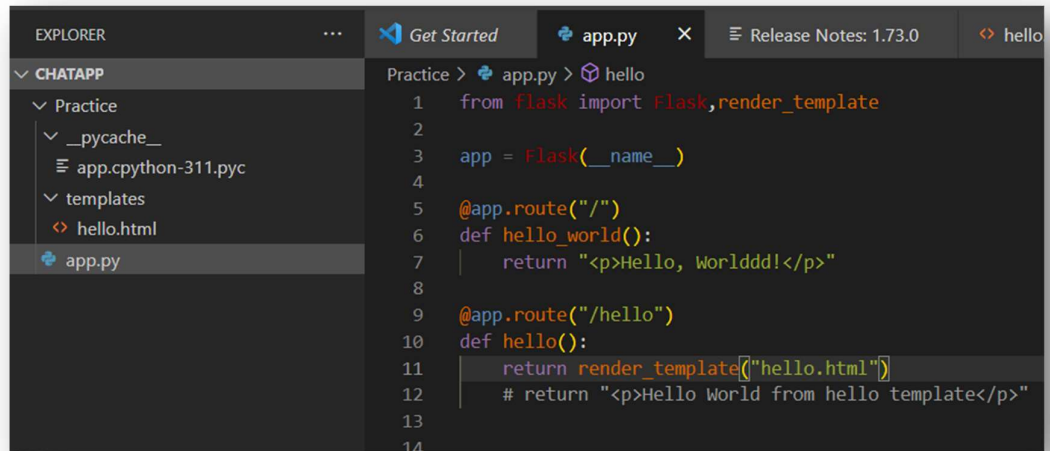
2)Creation Flask Project

i) Folder structure



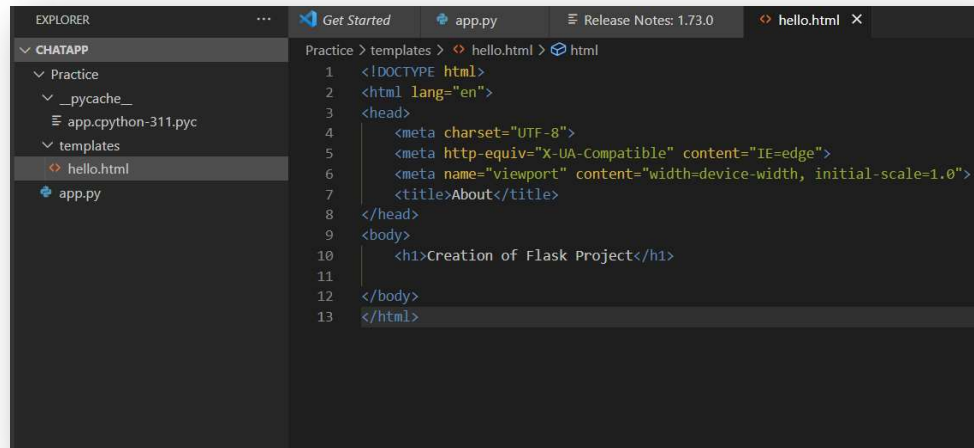
<< 7th Semester > Nalaiyathiran > Practice > Chatapp > Practice >				
Name	Date modified	Type	Size	
__pycache__	03-11-2022 02:01	File folder		
templates	29-10-2022 11:46	File folder		
app	03-11-2022 02:00	Python File	1 KB	

ii) App.py file



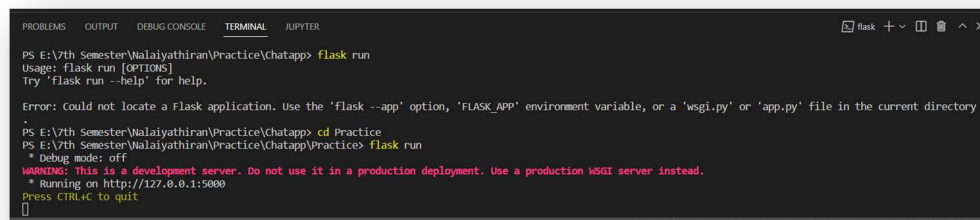
```
1 from flask import Flask, render_template
2
3 app = Flask(__name__)
4
5 @app.route("/")
6 def hello_world():
7     return "<p>Hello, Worldddd!</p>"
8
9 @app.route("/hello")
10 def hello():
11     return render_template("hello.html")
12     # return "<p>Hello World from hello template</p>"
13
14
```

iii) Template file(hello.html)



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>About</title>
8 </head>
9 <body>
10     <h1>Creation of Flask Project</h1>
11 </body>
12 </html>
13
```

Terminal : run app.py file

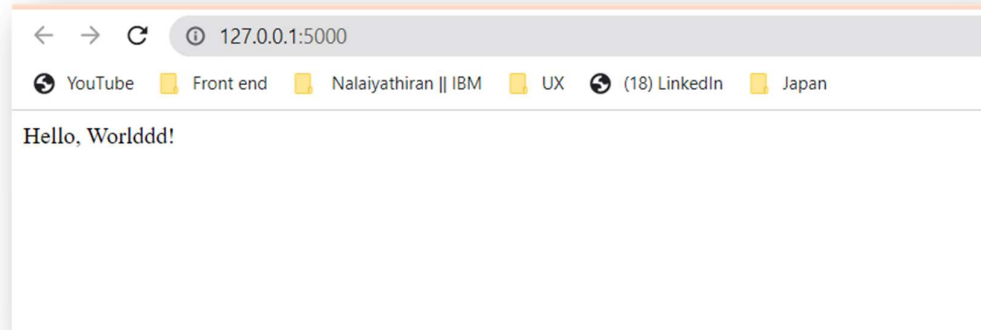


```
PS E:\7th Semester\Walaiyathiran\Practice\Chatapp> flask run
Usage: flask run [OPTIONS]
Try 'flask run --help' for help.

Error: Could not locate a Flask application. Use the 'flask --app' option, 'FLASK_APP' environment variable, or a 'wsgi.py' or 'app.py' file in the current directory.

PS E:\7th Semester\Walaiyathiran\Practice\Chatapp> cd Practice
PS E:\7th Semester\Walaiyathiran\Practice\Chatapp\Practice> flask run
 * 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 http://127.0.0.1:5000
Press CTRL+C to quit
```

iv) Default route result



<http://127.0.0.1:5000/hello>

