

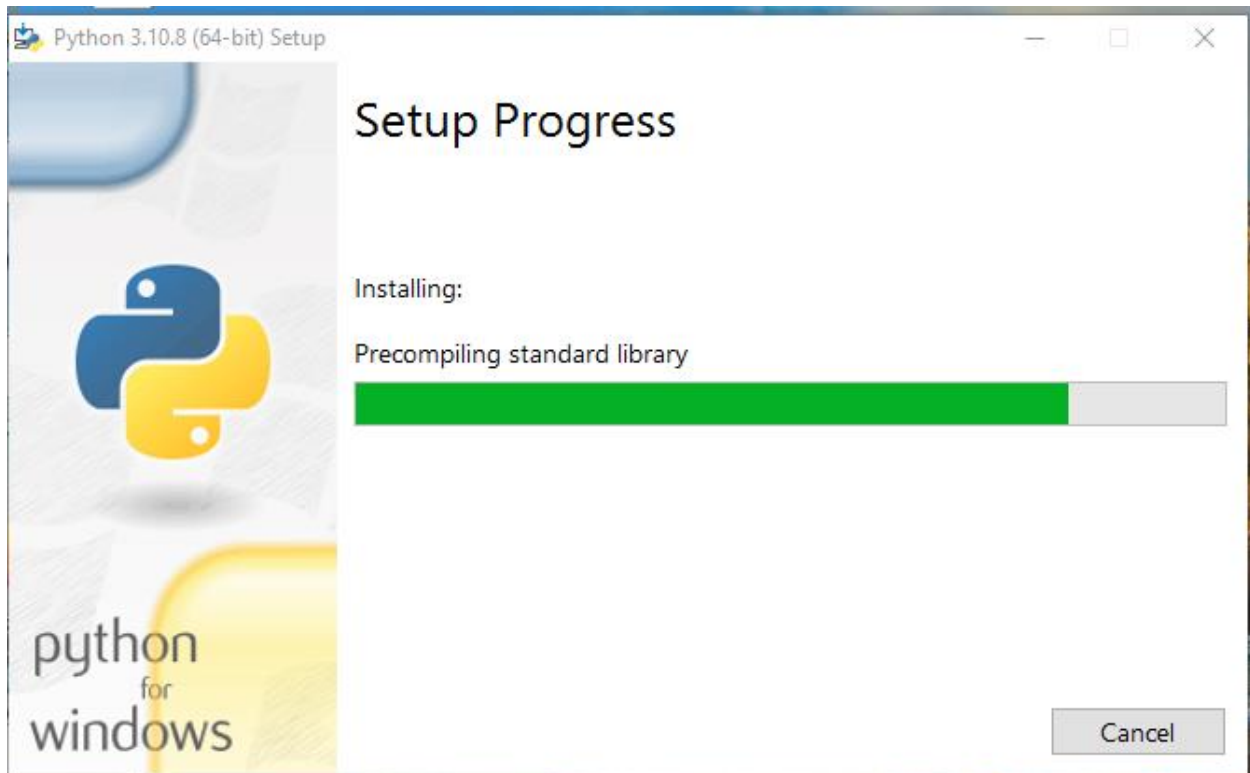
R.Rajarajeshwari

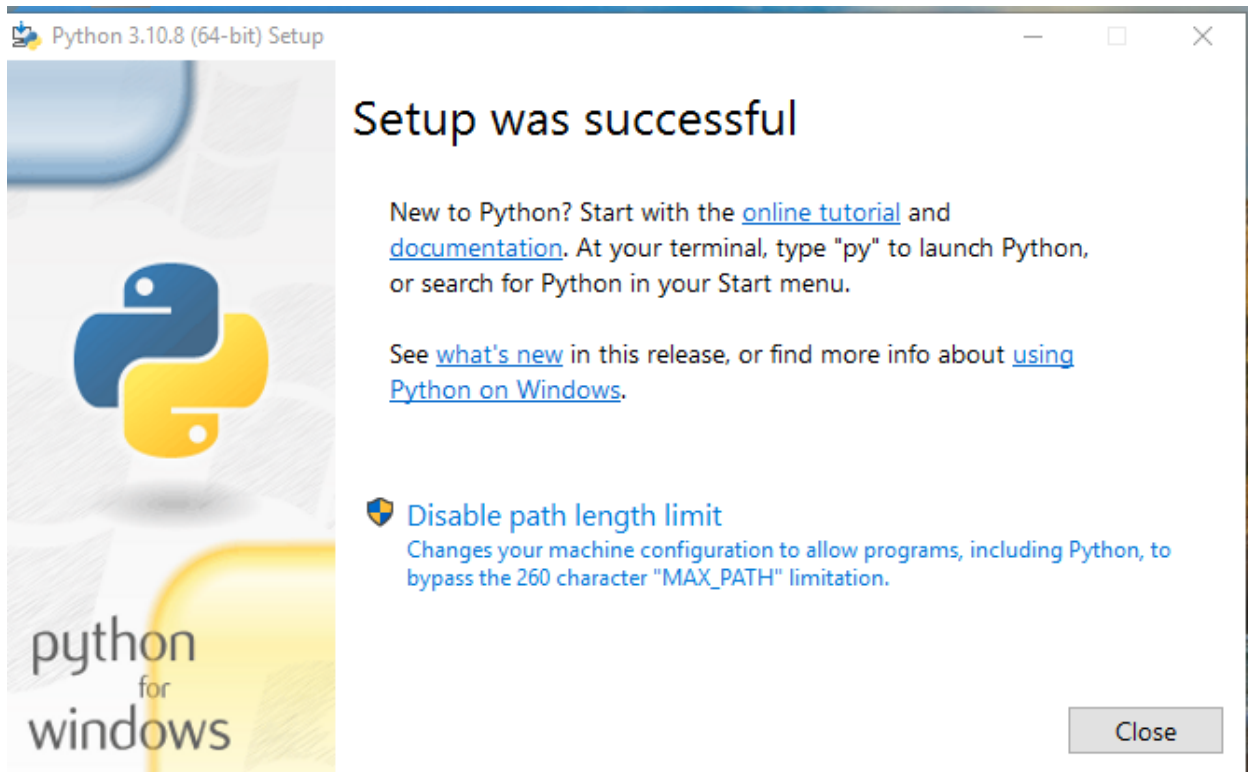
Task 1

Create Flask

Create Flask

Process





Flask Installation In Command Prompt

```
Command Prompt - flask run
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\arj>cd\

C:\>mkdir myflask
A subdirectory or file myflask already exists.

C:\>py -m venv env

C:\>env\scripts\activate

(env) C:\>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
----- 101.5/101.5 kB 729.9 kB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
----- 232.7/232.7 kB 1.4 MB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
----- 96.6/96.6 kB 2.8 MB/s eta 0:00:00
Collecting Jinja2>=3.0
  Using cached Jinja2-3.1.2-py3-none-any.whl (133 kB)
Collecting colorama
  Using cached colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=2.0
  Using cached MarkupSafe-2.1.1-cp310-cp310-win_amd64.whl (17 kB)
```

```
Command Prompt - flask run

Using cached colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=2.0
  Using cached MarkupSafe-2.1.1-cp310-cp310-win_amd64.whl (17 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.5 flask-2.2.2 itsdangerous-2.1.2

[notice] A new release of pip available: 22.2.2 -> 22.3
[notice] To update, run: python.exe -m pip install --upgrade pip

(env) C:\> python.exe -m pip install --upgrade pip
Requirement already satisfied: pip in c:\env\lib\site-packages (22.2.2)
Collecting pip
  Downloading pip-22.3-py3-none-any.whl (2.1 MB)
----- 2.1/2.1 MB 4.0 MB/s eta 0:00:00
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 22.2.2
    Uninstalling pip-22.2.2:
      Successfully uninstalled pip-22.2.2
Successfully installed pip-22.3

(env) C:\>set FLASK_APP=app.py

(env) C:\>flask run
* Serving Flask app 'app.py'
* 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
```

Sample flask code in Notepad

```
app.py - Notepad
File Edit Format View Help

# Importing flask module in the project is mandatory
# An object of Flask class is our WSGI application.
from flask import Flask

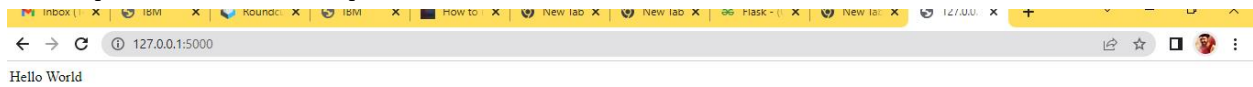
# Flask constructor takes the name of
# current module (__name__) as argument.
app = Flask(__name__)

# The route() function of the Flask class is a decorator,
# which tells the application which URL should call
# the associated function.
@app.route('/')
# '/' URL is bound with hello_world() function.
def hello_world():
    return 'Hello World'

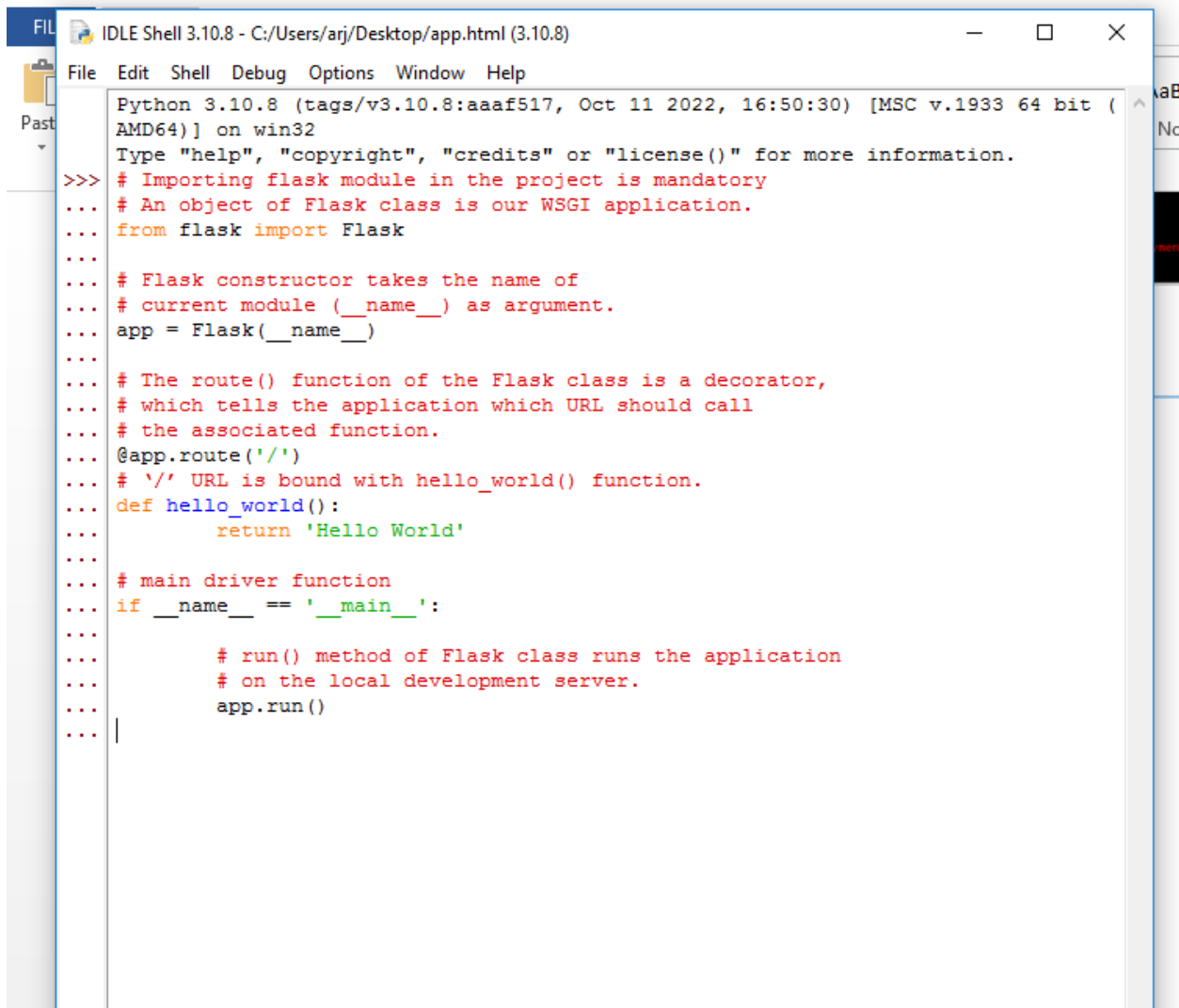
# main driver function
if __name__ == '__main__':

    # run() method of Flask class runs the application
    # on the local development server.
    app.run()
```

Sample code Output



Sample Coding in IDLE



Idle Output

```
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. >>> # Importing flask module in the project is mandatory ... # An object of Flask class is our WSGI application. ... from flask import Flask ... # Flask constructor takes the name of ... # current module (__name__) as argument. ... app = Flask(__name__) ... # The route() function of the Flask class is a decorator, ... # which tells the application which URL should call ... # the associated function. ... @app.route('/') ... # Æ™ URL is bound with hello_world() function. ... def hello_world(): ... return 'Hello World' ... # main driver function ... if __name__ == '__main__': ... # run() method of Flask class runs the application ... # on the local development server. ... app.run()
```