

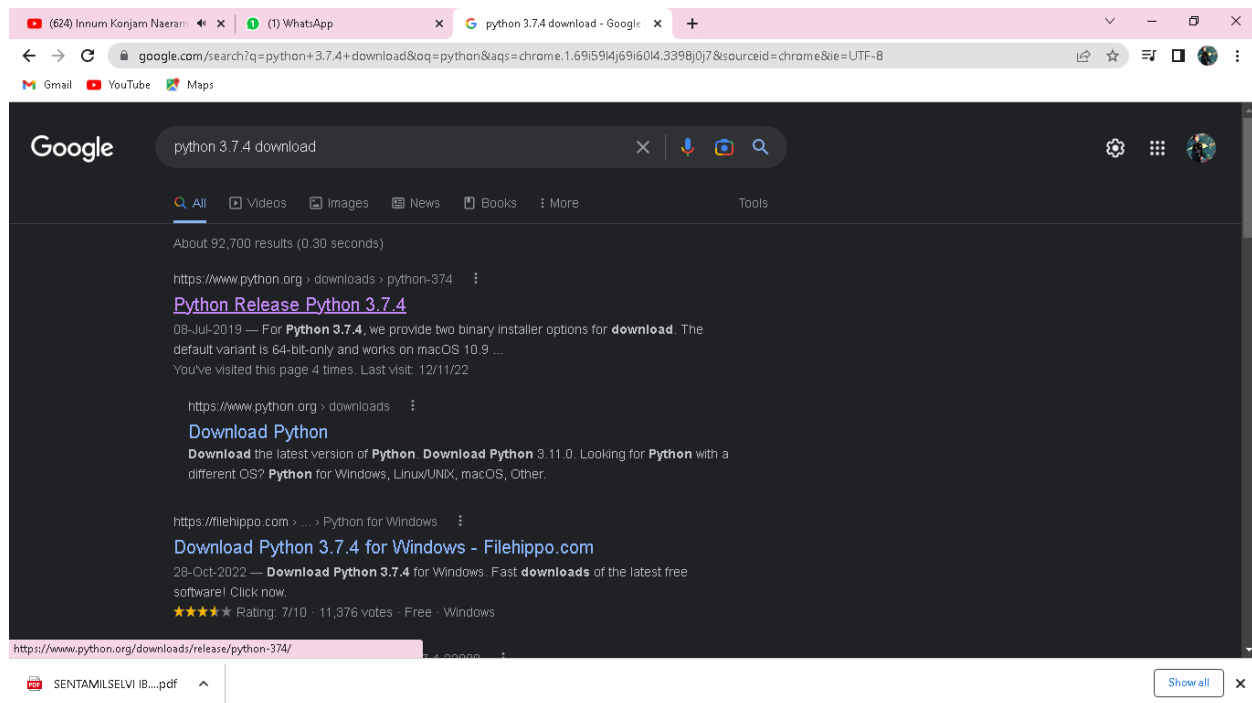
# IBM SOFTWARE

Date	01 November 2022
Team ID	PNT2022TMID43127
Project Name	Smart Waste Management System for Metropolitan Cities

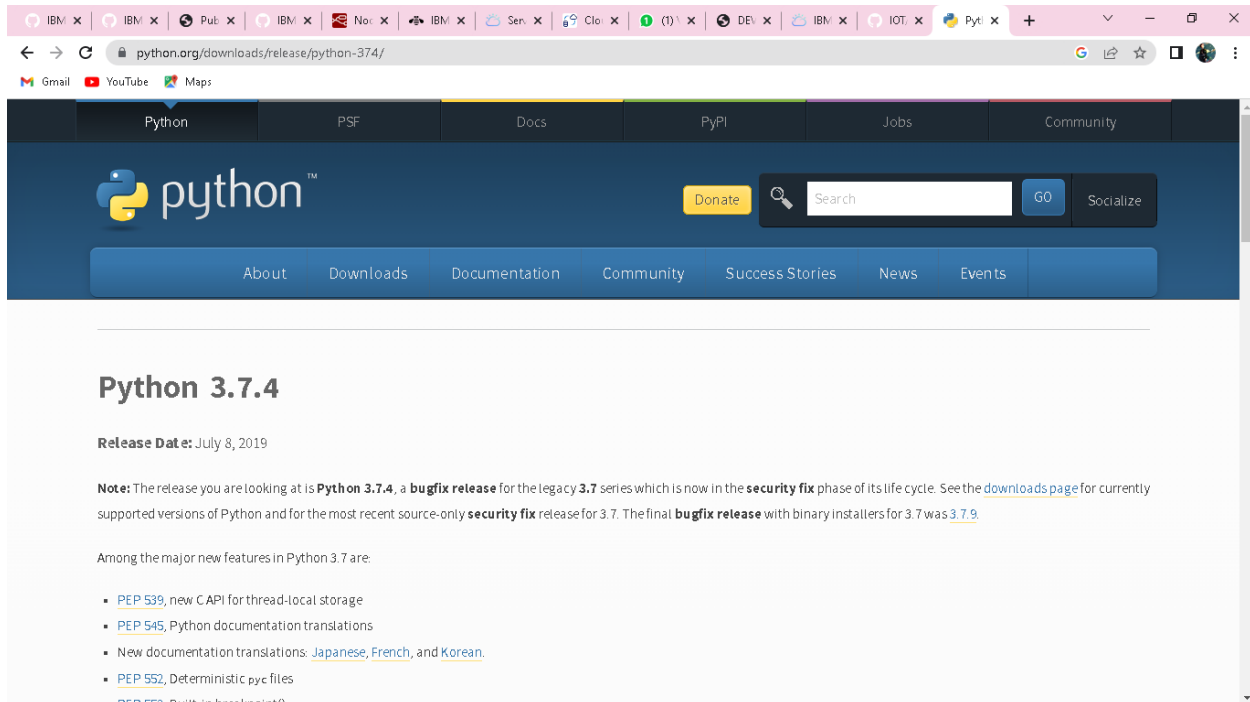
## Aim:

To install python version 3.7.4 and IBM Watson IOT platform package

Step 1: Type python in google and click on the first link



## Step 2: Click the Python 3.7.4



The screenshot shows the Python 3.7.4 release page. The header includes the Python logo, a search bar, and navigation links. The main content area features the title "Python 3.7.4" and a "Release Date" of July 8, 2019. A note mentions that this is a bugfix release for the legacy 3.7 series. Below the note, a list of new features in Python 3.7 is provided, including PEP 539, PEP 545, and PEP 552.

### Python 3.7.4

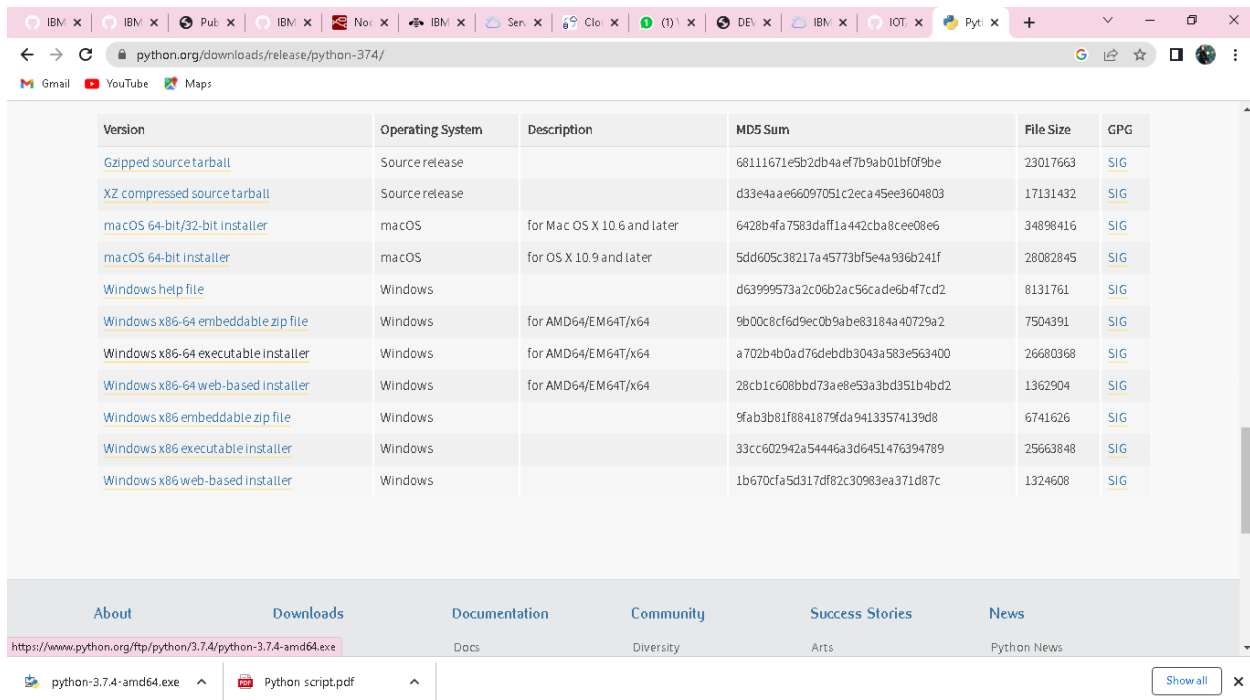
**Release Date:** July 8, 2019

**Note:** The release you are looking at is **Python 3.7.4**, a **bugfix release** for the legacy **3.7** series which is now in the **security fix** phase of its life cycle. See the [downloads page](#) for currently supported versions of Python and for the most recent source-only **security fix** release for 3.7. The final **bugfix release** with binary installers for 3.7 was [3.7.9](#).

Among the major new features in Python 3.7 are:

- [PEP 539](#), new CAPI for thread-local storage
- [PEP 545](#), Python documentation translations
- New documentation translations: [Japanese](#), [French](#), and [Korean](#).
- [PEP 552](#), Deterministic pyc files
- [PEP 553](#), Built-in breakpoint()

## Step 3: Scroll Down to Reach Files and Click on “Window \*86-64 executable installer”



The screenshot shows the Python 3.7.4 download page. A table lists various download options, including source releases and binary installers for different operating systems. The "Windows x86-64 executable installer" is highlighted. Below the table, there are navigation links and a footer with a URL and a "Show all" button.

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		68111671e5b2db4aef7b9ab01bf0f9be	23017663	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		d33e4aae66097051c2eca45ee3604803	17131432	<a href="#">SIG</a>
<a href="#">macOS 64-bit/32-bit installer</a>	macOS	for Mac OS X 10.6 and later	6428b4fa7583daff1a442cba8cee08e6	34898416	<a href="#">SIG</a>
<a href="#">macOS 64-bit installer</a>	macOS	for OS X 10.9 and later	5dd605c38217a45773bf5e4a936b241f	28082845	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		d63999573a2c06b2ac56cade6b4f7cd2	8131761	<a href="#">SIG</a>
<a href="#">Windows x86-64 embeddable zip file</a>	Windows	for AMD64/EM64T/x64	9b00c8cf6d9ec0b9abe83184a40729a2	7504391	<a href="#">SIG</a>
<a href="#">Windows x86-64 executable installer</a>	Windows	for AMD64/EM64T/x64	a702b4b0ad76debd3043a583e563400	26680368	<a href="#">SIG</a>
<a href="#">Windows x86-64 web-based installer</a>	Windows	for AMD64/EM64T/x64	28cb1c608bbd73ae8e53a3bd351b4bd2	1362904	<a href="#">SIG</a>
<a href="#">Windows x86 embeddable zip file</a>	Windows		9fab3b81f8841879fda94133574139d8	6741626	<a href="#">SIG</a>
<a href="#">Windows x86 executable installer</a>	Windows		33cc602942a54446a3d6451476394789	25663848	<a href="#">SIG</a>
<a href="#">Windows x86 web-based installer</a>	Windows		1b670cfa5d317df82c30983ea371d87c	1324608	<a href="#">SIG</a>

[About](#) [Downloads](#) [Documentation](#) [Community](#) [Success Stories](#) [News](#)

<https://www.python.org/ftp/python/3.7.4/python-3.7.4-amd64.exe> [Docs](#) [Diversity](#) [Arts](#) [Python News](#)

[python-3.7.4-amd64.exe](#) [Python script.pdf](#) [Show all](#)

## Step 4: Click on the install button

The screenshot shows the Python 3.7.4 download page with the installer window open. The installer window is titled "Python 3.7.4 (64-bit) Setup" and displays the Python logo. It offers two options: "Install Now" and "Customize installation". The "Install Now" option is selected, and the "Add Python 3.7 to PATH" checkbox is checked. The background table lists various download options and their details.

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		68111671e5b2db4aef7b9ab01bf0f9be	23017663	<a href="#">SIG</a>
XZ compressed source tarball				17131432	<a href="#">SIG</a>
macOS 64-bit/32-bit installer				34898416	<a href="#">SIG</a>
macOS 64-bit installer				28082845	<a href="#">SIG</a>
Windows help file				8131761	<a href="#">SIG</a>
Windows x86-64 embeddable zip file				7504391	<a href="#">SIG</a>
Windows x86-64 executable installer				26680368	<a href="#">SIG</a>
Windows x86-64 web-based installer				1362904	<a href="#">SIG</a>
Windows x86 embeddable zip file				6741626	<a href="#">SIG</a>
Windows x86 executable installer				25663848	<a href="#">SIG</a>
Windows x86 web-based installer				1324608	<a href="#">SIG</a>

Footer links: About, Downloads, Documentation, Community, Success Stories, News. Sub-links include Applications, All releases, Docs, Diversity, Arts, Python News, Quotes, Source code, Audio/Visual Talks, Mailing Lists, Business, and PSF Newsletter.

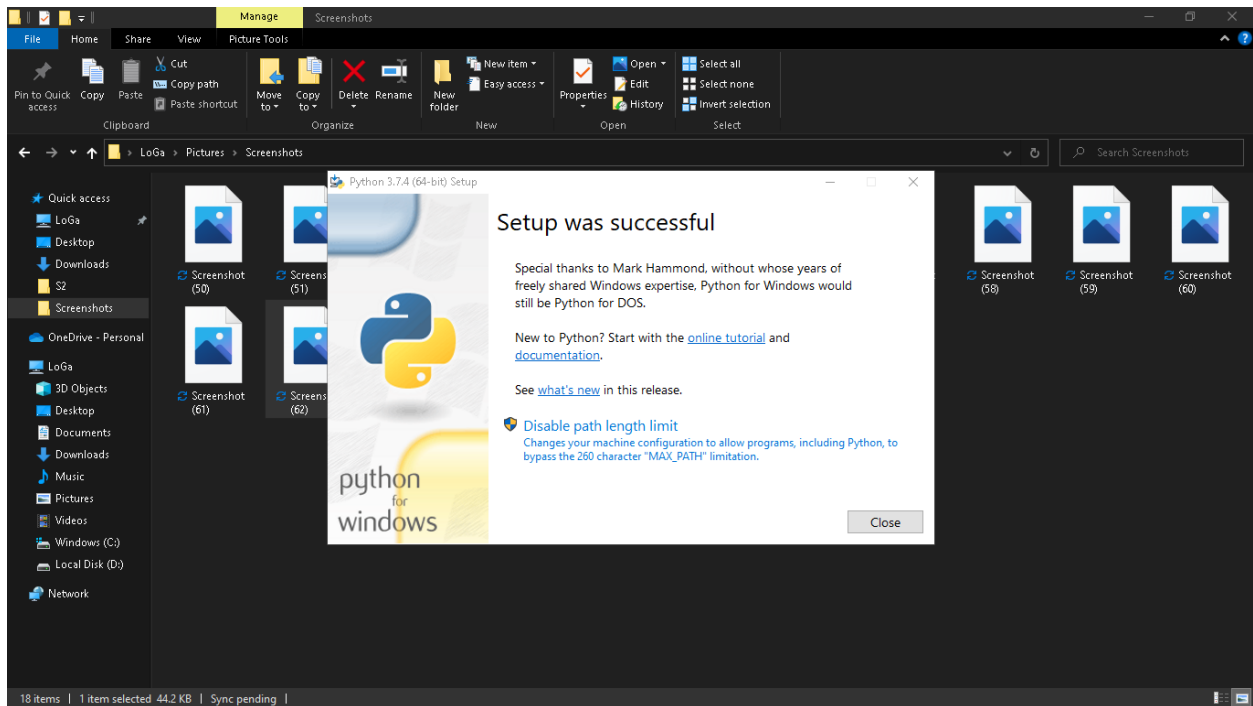
## Step 5: Installation on Progress

The screenshot shows the Python 3.7.4 download page with the setup progress window open. The window is titled "Setup Progress" and displays the Python logo. It shows the progress of the installation for "Python 3.7.4 Core Interpreter (64-bit)". The progress bar is partially filled with green. The background table lists various download options and their details.

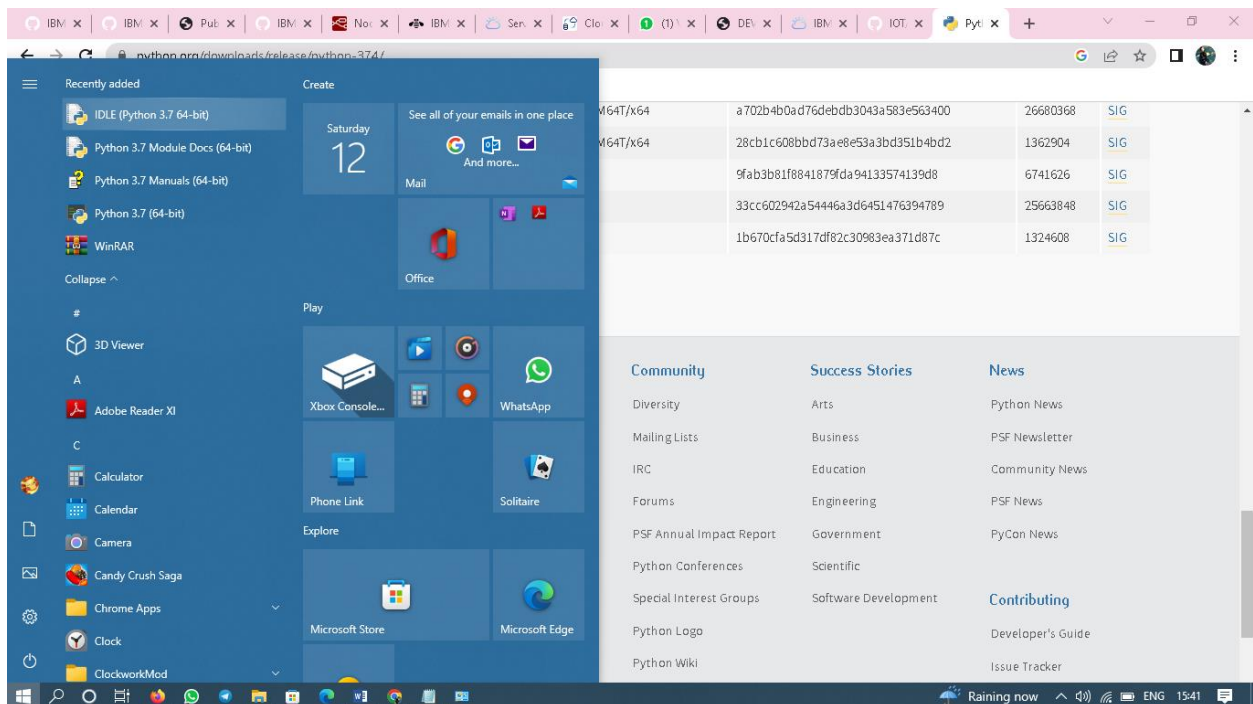
Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		68111671e5b2db4aef7b9ab01bf0f9be	23017663	<a href="#">SIG</a>
XZ compressed source tarball				17131432	<a href="#">SIG</a>
macOS 64-bit/32-bit installer				34898416	<a href="#">SIG</a>
macOS 64-bit installer				28082845	<a href="#">SIG</a>
Windows help file				8131761	<a href="#">SIG</a>
Windows x86-64 embeddable zip file				7504391	<a href="#">SIG</a>
Windows x86-64 executable installer				26680368	<a href="#">SIG</a>
Windows x86-64 web-based installer				1362904	<a href="#">SIG</a>
Windows x86 embeddable zip file				6741626	<a href="#">SIG</a>
Windows x86 executable installer				25663848	<a href="#">SIG</a>
Windows x86 web-based installer				1324608	<a href="#">SIG</a>

Footer links: About, Downloads, Documentation, Community, Success Stories, News. Sub-links include Applications, All releases, Docs, Diversity, Arts, Python News, Quotes, Source code, Audio/Visual Talks, Mailing Lists, Business, and PSF Newsletter.

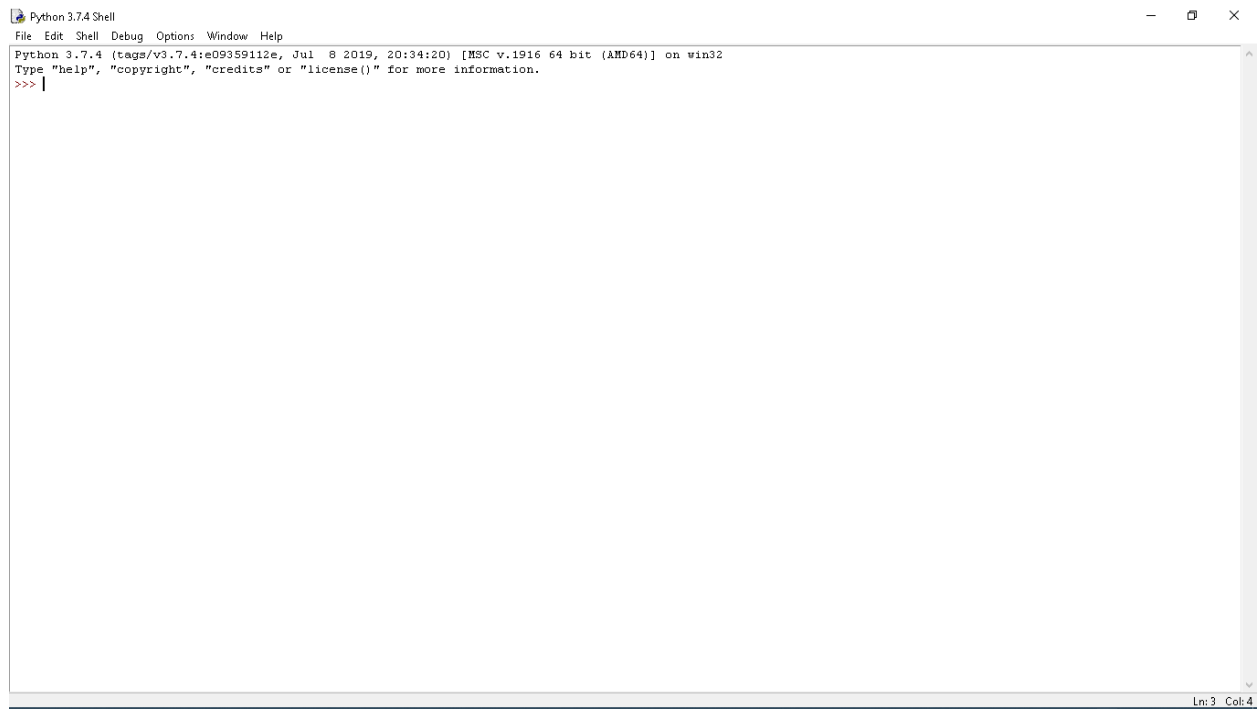
## Step 6: Close the Button



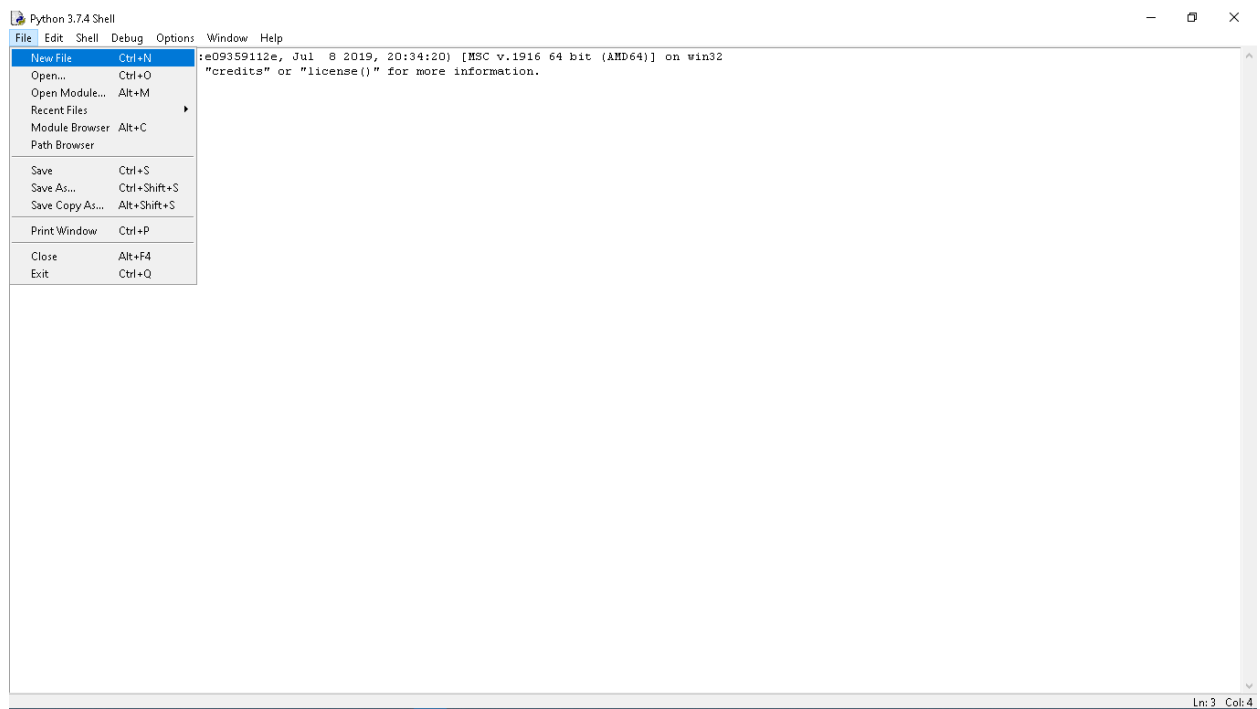
## Step 7: Search IDLE



## Step 8: Open it



## Step 9: Go to File Click on New File



## Step 10: Now Install the IBM Watson IOT Platform Package Through Command Prompt

```
Command Prompt - pip install wiotp-sdk

C:\Users\ELCOT>pip install wiotp-sdk
Defaulting to user installation because normal site-packages is not writeable
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001BCA695C7D0>: Failed to establish a new connection: [Errno 11001] getaddrinfo failed')': /simple/wiotp-sdk/
Collecting wiotp-sdk
  Downloading wiotp-sdk-0.11.0.tar.gz (96 kB)
    ----- 96.2/96.2 kB 1.1 MB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting iso8601>=0.1.12
  Downloading iso8601-1.1.0-py3-none-any.whl (9.9 kB)
Collecting pytz>=2018.9
  Downloading pytz-2022.6-py2.py3-none-any.whl (498 kB)
    ----- 498.1/498.1 kB 844.0 kB/s eta 0:00:00
Collecting pyyaml>=3.13
  Downloading PyYAML-6.0-cp311-cp311-win_amd64.whl (143 kB)
    ----- 143.2/143.2 kB 942.8 kB/s eta 0:00:00
Collecting paho-mqtt>=1.5.0
  Downloading paho-mqtt-1.6.1.tar.gz (99 kB)
    ----- 99.4/99.4 kB 474.1 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting requests>=2.21.0
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    ----- 62.8/62.8 kB 420.8 kB/s eta 0:00:00
Collecting requests_toolbelt>=0.8.0
  Downloading requests_toolbelt-0.10.1-py2.py3-none-any.whl (54 kB)
    ----- 54.5/54.5 kB 354.3 kB/s eta 0:00:00
Collecting charset-normalizer<3,>=2
```

Step 11: Then a text program was compiled successfully

```
tamil.py - C:/Users/ELCOT/OneDrive/Desktop/tamil.py (3.7.4)
File Edit Format Run Options Window Help
a=int(input("Enter the number:"))
b=int(input("Enter the number:"))
c=a+b
d=a-b
e=a*b
f=a/b
print("the sum of the number is",c)
print("the difference of the number is",d)
print("the product of the number",e)
print("the modulo of the number",f)

Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Desktop/tamil.py =====
enter the number:3
enter the number:4
the sum of the number is 7
the difference of the number is -1
the product of the number 12
the modulo of the number 3
>>>
```

## RESULT:

The python version 3.7.4 and IBM Watson IOT platform package are installed successfully