

IBM Software Assignment

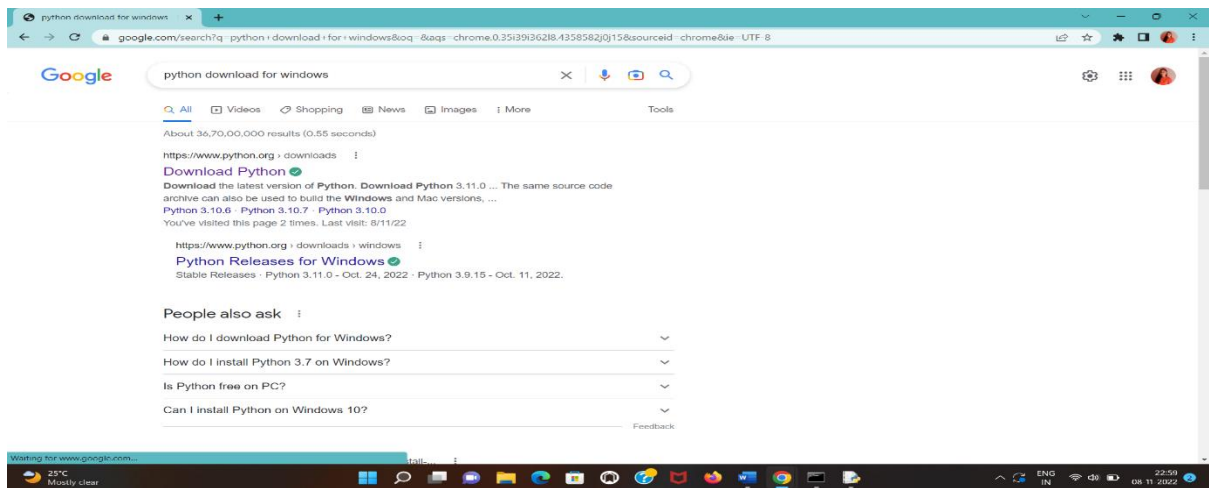
Date	10 November 2022
Team ID	PNT2022TMID42279
Project Name	Project-Smart Waste Management System in Metropolitan Cities
Maximum Marks	4

AIM:

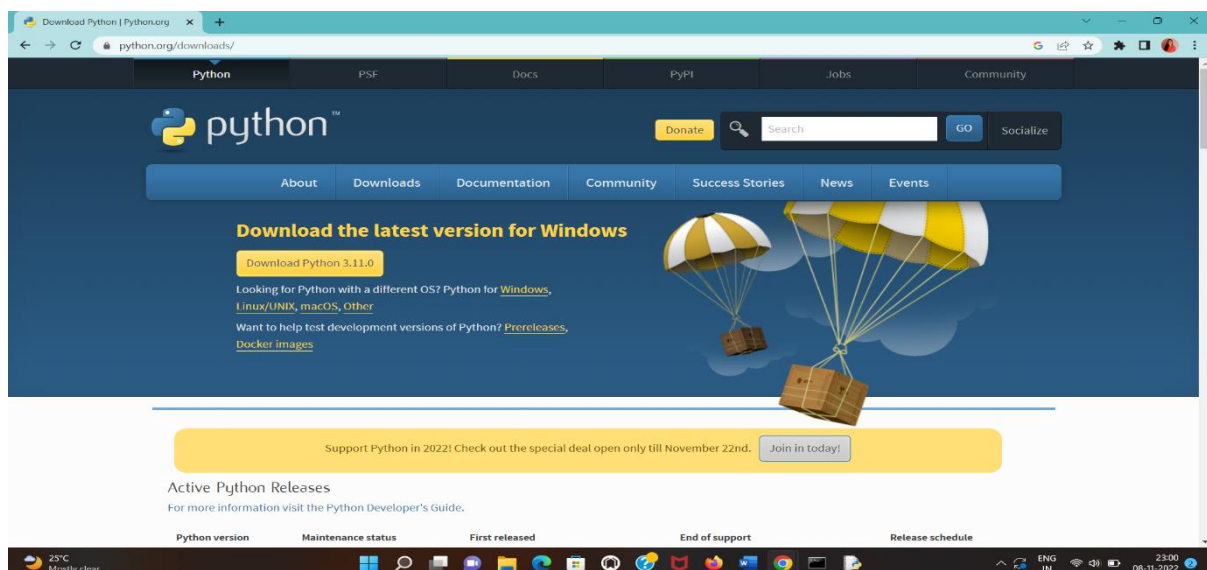
To install python version 3.9.6 and IBM Watson IoT platform packages in python.

STEPS:

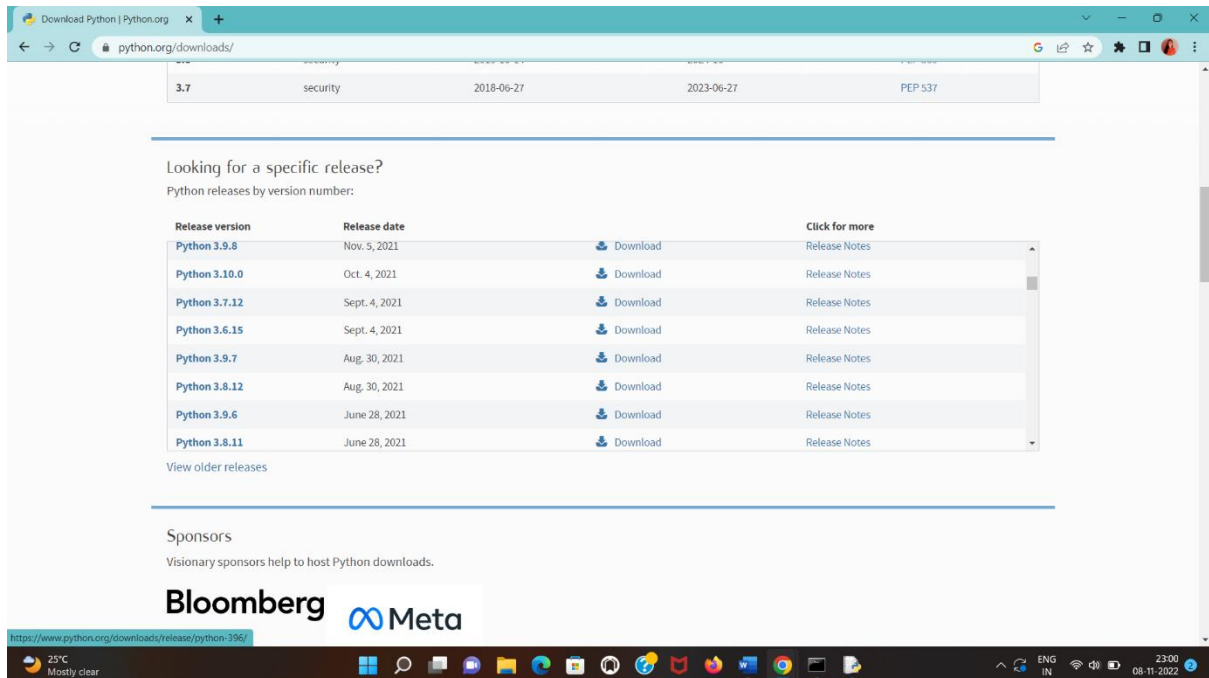
1. Search for python for windows in Google search engine.



2. Clicking on the shown link will direct you to this page.



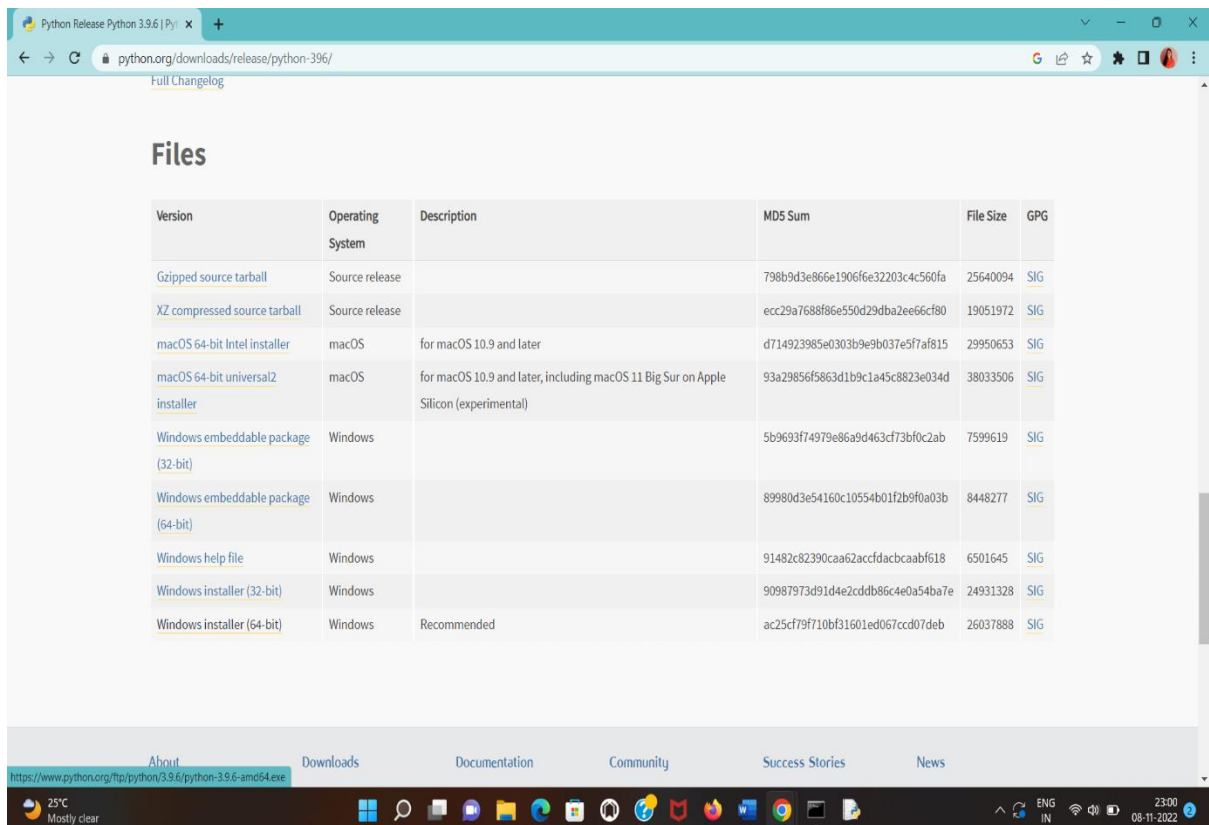
3. Search for python 3.9.6 version which is more suitable for IBM Watson platform.



The screenshot shows the Python.org downloads page. A table lists various Python releases. The row for Python 3.9.6 is highlighted. Below the table, there is a section for sponsors including Bloomberg and Meta.

Release version	Release date	Download	Click for more
Python 3.9.8	Nov. 5, 2021	Download	Release Notes
Python 3.10.0	Oct. 4, 2021	Download	Release Notes
Python 3.7.12	Sept. 4, 2021	Download	Release Notes
Python 3.6.15	Sept. 4, 2021	Download	Release Notes
Python 3.9.7	Aug. 30, 2021	Download	Release Notes
Python 3.8.12	Aug. 30, 2021	Download	Release Notes
Python 3.9.6	June 28, 2021	Download	Release Notes
Python 3.8.11	June 28, 2021	Download	Release Notes

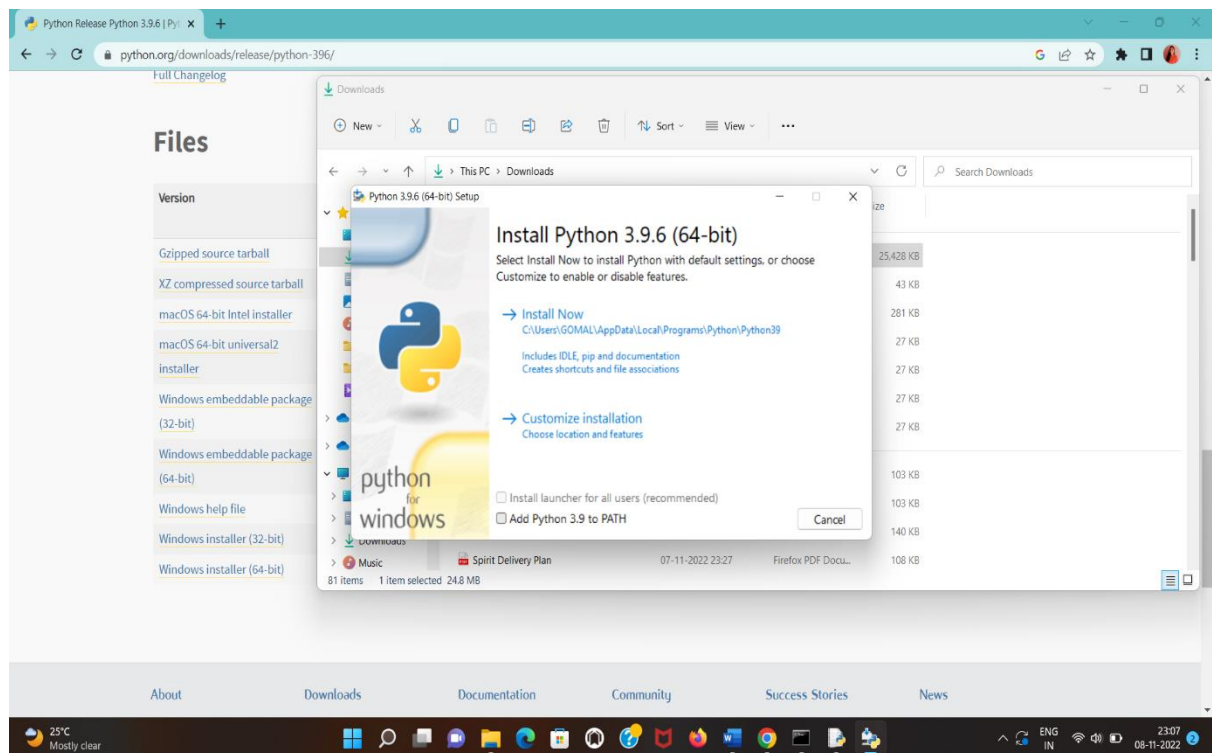
4. Click the python version 3.9.6 and download the windows installer (64 bit).-



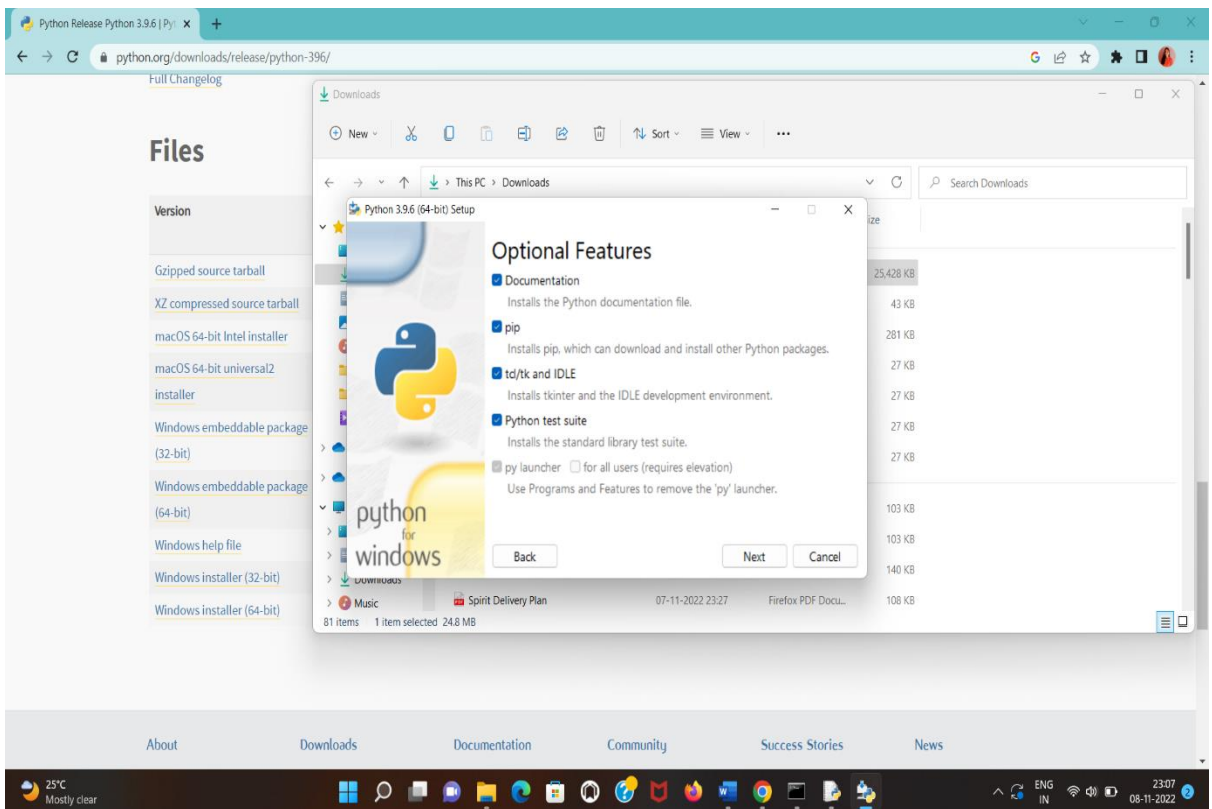
The screenshot shows the Python.org release page for Python 3.9.6. A table lists various files for download. The row for the Windows installer (64-bit) is highlighted.

Version	Operating System	Description	MDS Sum	File Size	GPG
Gzipped source tarball	Source release		798b9d3e866e1906f6e32203c4c560fa	25640094	SIG
XZ compressed source tarball	Source release		ecc29a7688f86e550d29dba2ee66cf80	19051972	SIG
macOS 64-bit Intel installer	macOS	for macOS 10.9 and later	d714923985e0303b9e9b037e5f7af815	29950653	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later, including macOS 11 Big Sur on Apple Silicon (experimental)	93a29856f5863d1b9c1a45c8823e034d	38033506	SIG
Windows embeddable package (32-bit)	Windows		5b9693f74979e86a9d463cf73bf0c2ab	7599619	SIG
Windows embeddable package (64-bit)	Windows		89980d3e54160c10554b01f2b9f0a03b	8448277	SIG
Windows help file	Windows		91482c82390caa62acfdacbaabf618	6501645	SIG
Windows installer (32-bit)	Windows		90987973d91d4e2cddb86c4e0a54ba7e	24931328	SIG
Windows installer (64-bit)	Windows	Recommended	ac25cf79f710bf31601e0d067ccd07deb	26037888	SIG

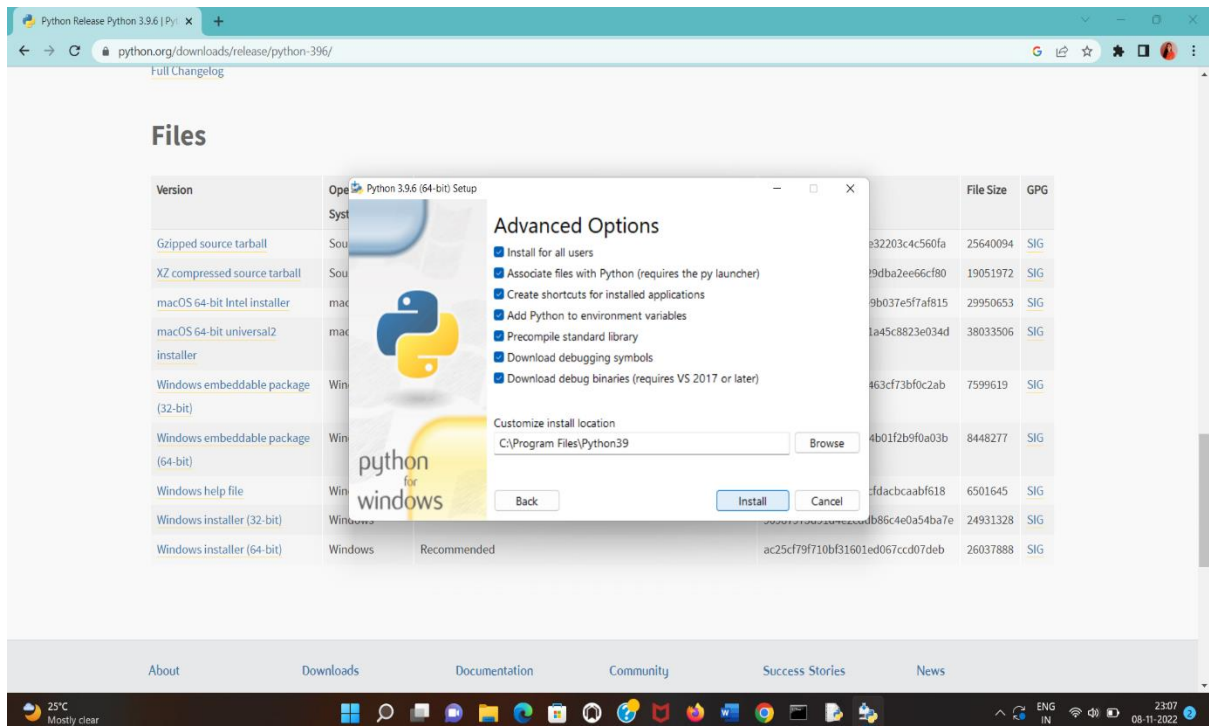
5. Install python 3.9.6 (64-bit) page will open.



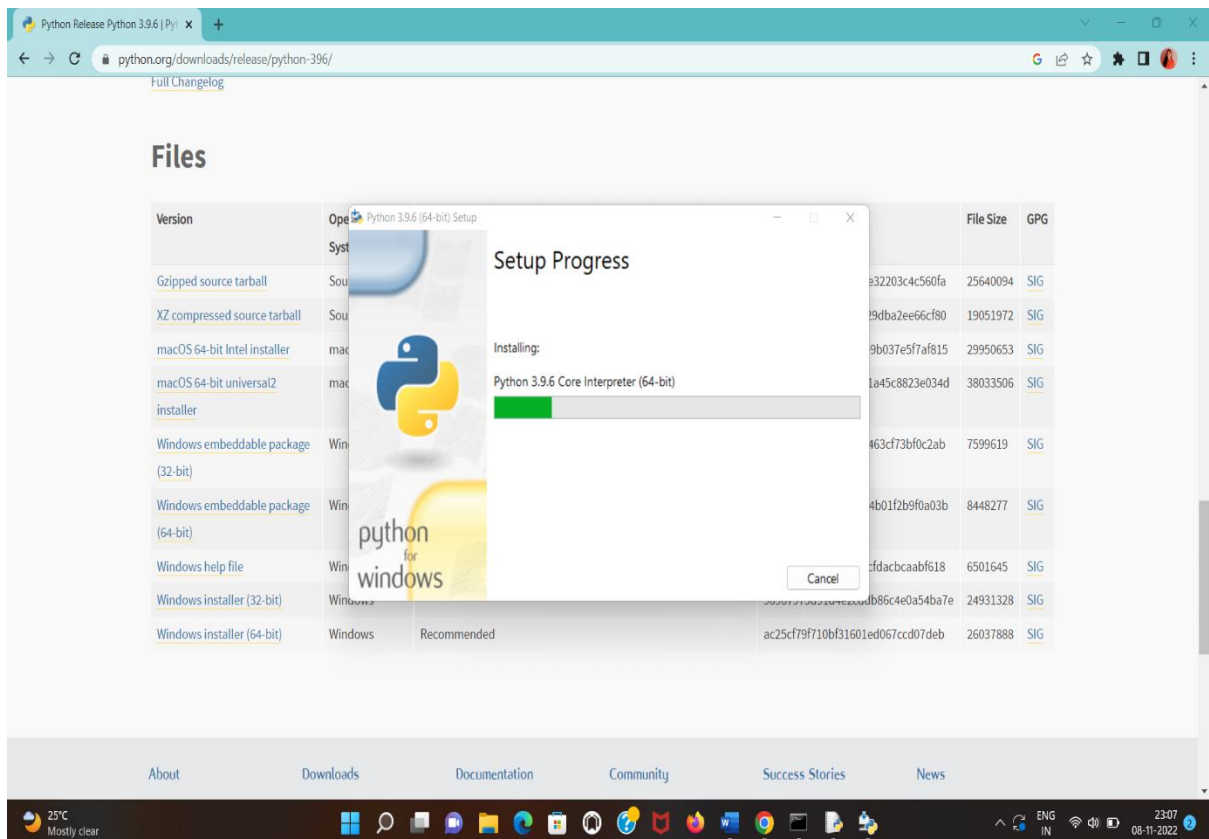
6. Click the next option in the install page.



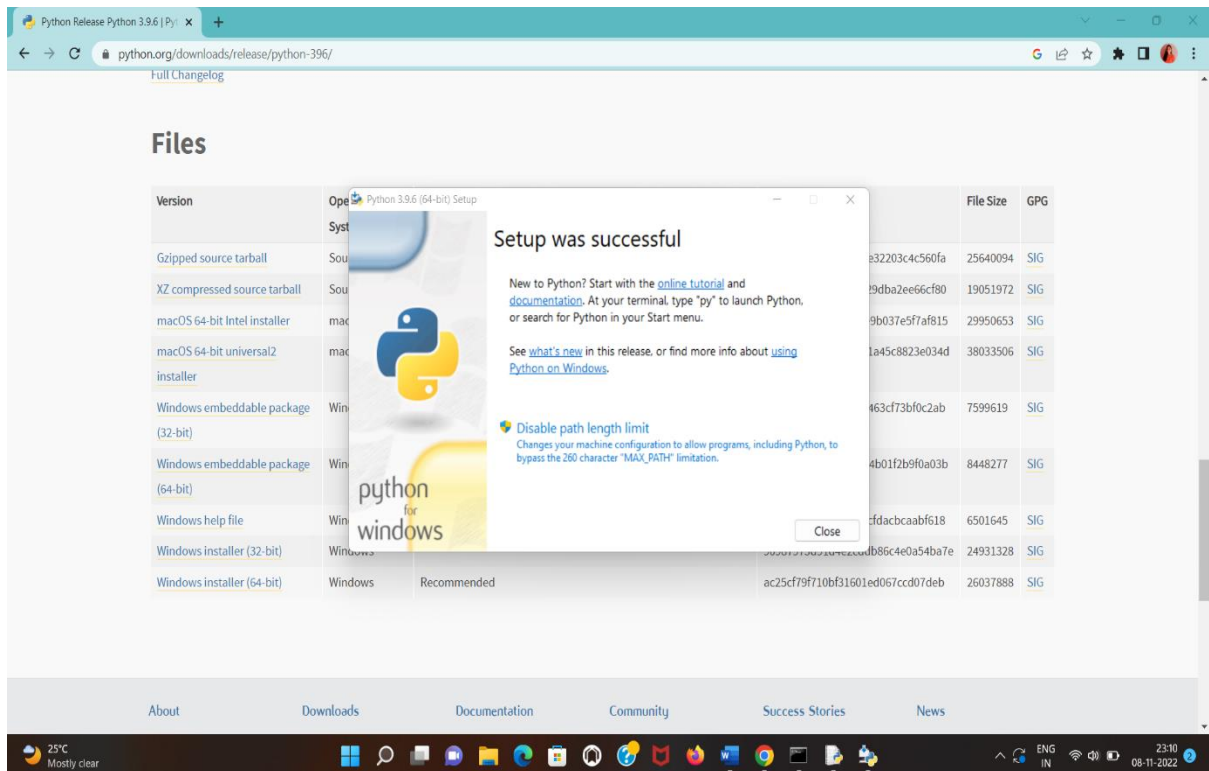
7. Click all the options and install the app.



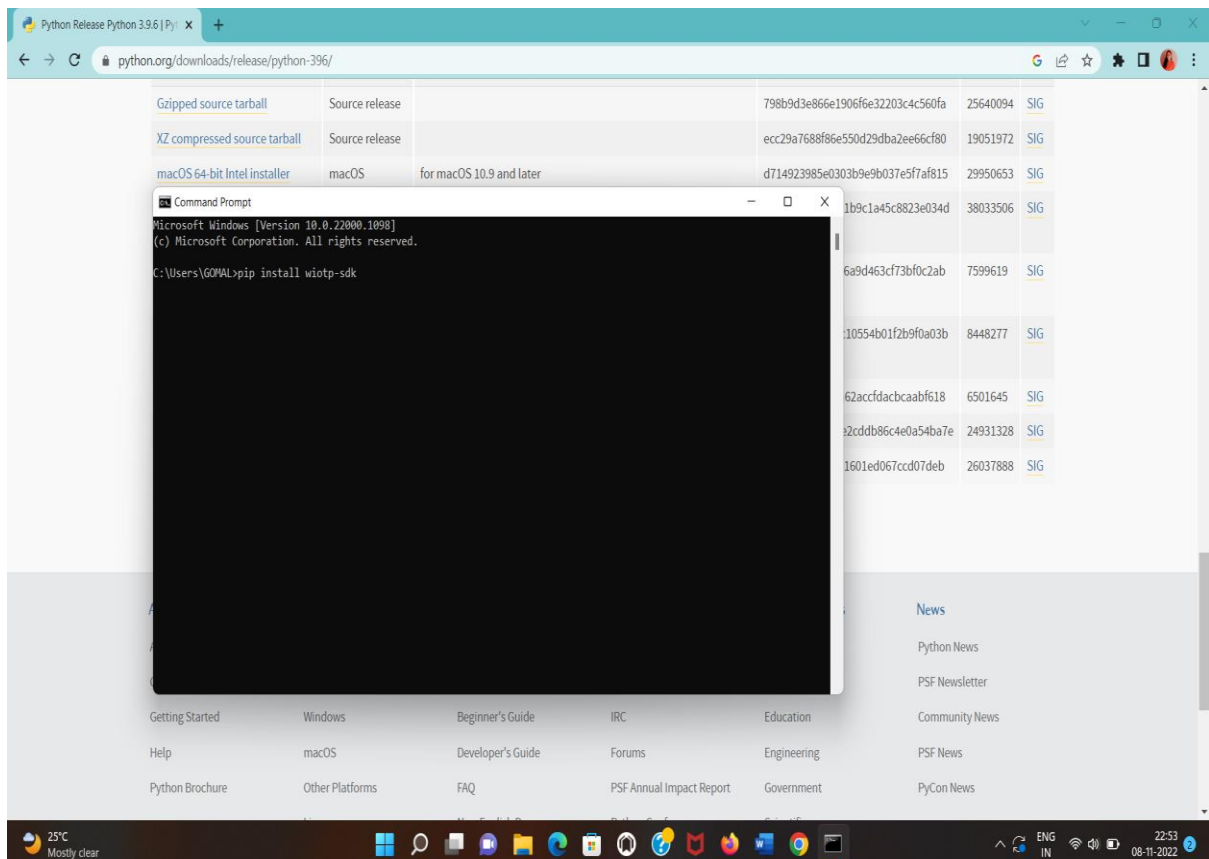
8. Set up process will begin after you give install option.



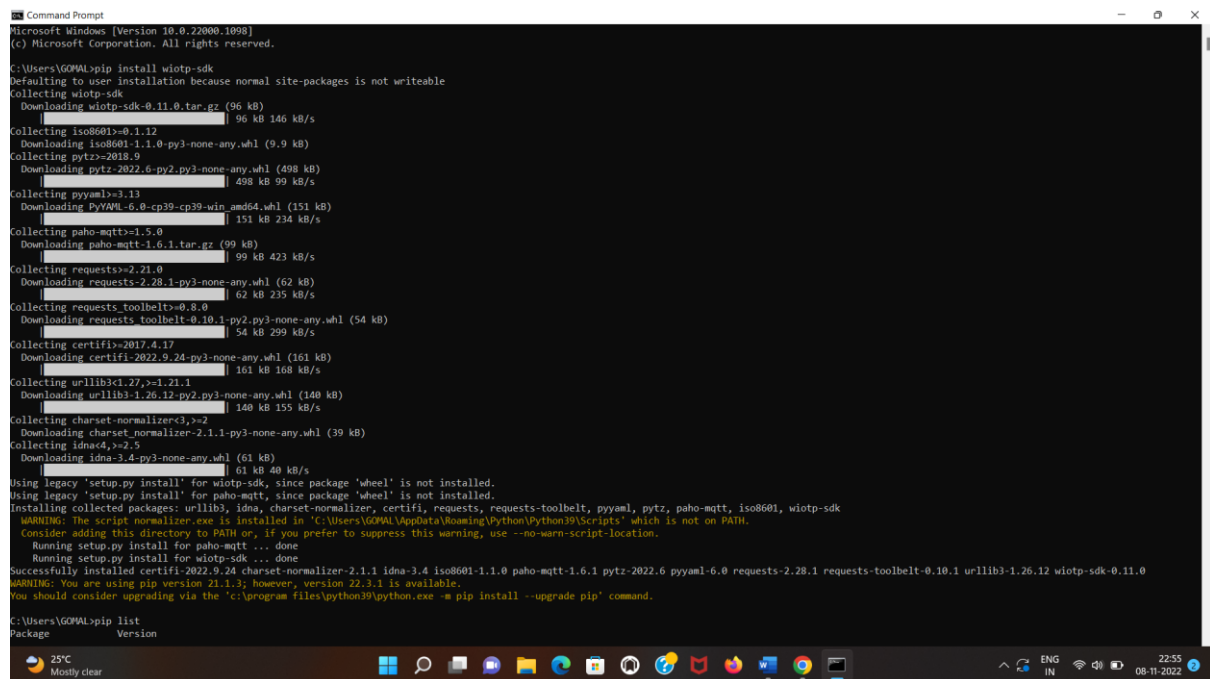
9. Python 3.9.6 version is downloaded successfully.



10. Now install the IBM Watson Platform package through command prompt.



11.The package installed successfully.

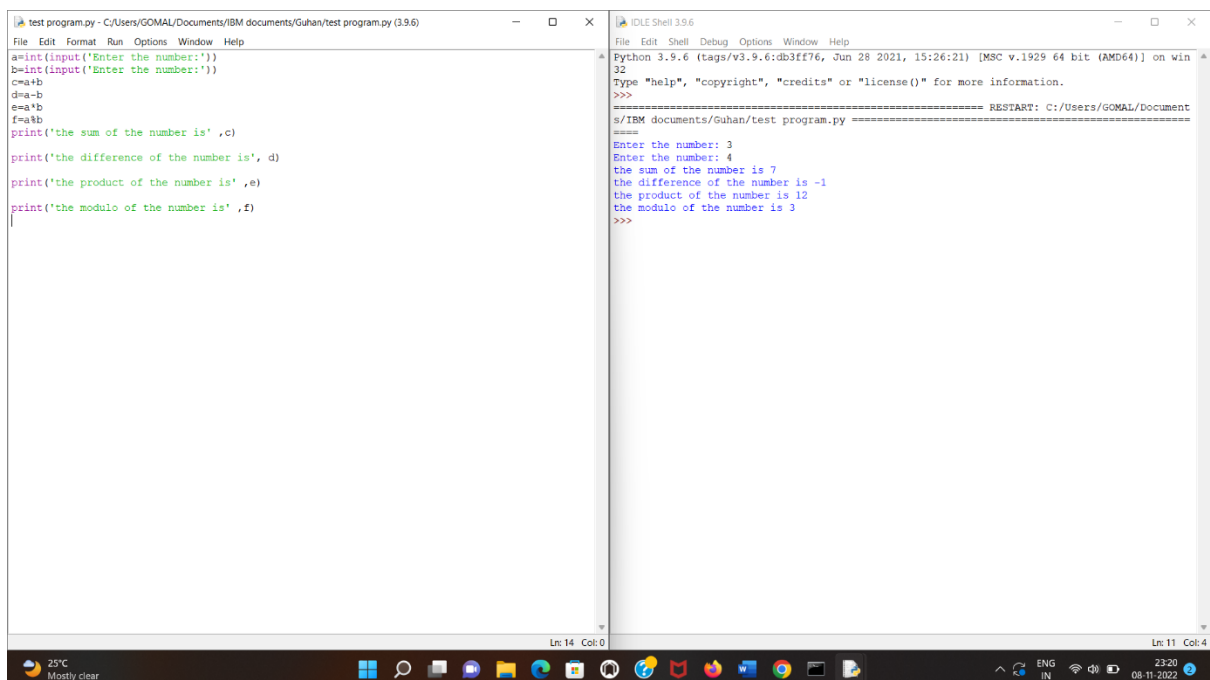


```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\GOMAL>pip install wiotp-sdk
Defaulting to user installation because normal site-packages is not writeable
Collecting wiotp-sdk
  Downloading wiotp-sdk-0.11.0.tar.gz (96 kB)
    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)
    Collecting pyyaml>=3.13
    Downloading PyYAML-6.0-cp39-cp39-win_amd64.whl (151 kB)
    Collecting paho-mqtt>=1.5.0
    Downloading paho-mqtt-1.6.1.tar.gz (99 kB)
    Collecting requests>=2.21.0
    Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    Collecting requests_toolbelt>=0.8.0
    Downloading requests_toolbelt-0.10.1-py2.py3-none-any.whl (54 kB)
    Collecting certifi>=2017.4.17
    Downloading certifi-2022.9.24-py3-none-any.whl (161 kB)
    Collecting urllib3<1.27,>=1.21.1
    Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
    Collecting charset-normalizer<3,>=2
    Downloading charset-normalizer-2.1.1-py3-none-any.whl (39 kB)
    Collecting idna<3,>=2.5
    Downloading idna-3.4-py3-none-any.whl (61 kB)
Using legacy 'setup.py install' for wiotp-sdk, since package 'wheel' is not installed.
Using legacy 'setup.py install' for paho-mqtt, since package 'wheel' is not installed.
Installing collected packages: urllib3, idna, charset-normalizer, certifi, requests, requests-toolbelt, pyyaml, pytz, paho-mqtt, iso8601, wiotp-sdk
WARNING: The script normalizer.exe is installed in 'C:\Users\GOMAL\AppData\Local\Programs\Python\Python39\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Running setup.py install for paho-mqtt ... done
Running setup.py install for wiotp-sdk ... done
Successfully installed certifi-2022.9.24 charset-normalizer-2.1.1 idna-3.4 iso8601-1.1.0 paho-mqtt-1.6.1 pytz-2022.6 pyyaml-6.0 requests-2.28.1 requests-toolbelt-0.10.1 urllib3-1.26.12 wiotp-sdk-0.11.0
WARNING: You are using pip version 21.1.3; however, version 22.2.1 is available.
You should consider upgrading via the 'c:\program files\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\GOMAL>pip list
Package Version
```

12.Then a text program was compiled successfully.



```
test program.py - C:\Users\GOMAL\Documents\IBM documents\Guhan\test program.py (3.9.6)
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 is', e)
print('the modulo of the number is', f)

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\GOMAL\Document
s\IBM documents\Guhan\test program.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 is 12
the modulo of the number is 3
>>>
```

RESULT:

The python version 3.9.6 and IBM Watson IoT platform package are installed successfully.

