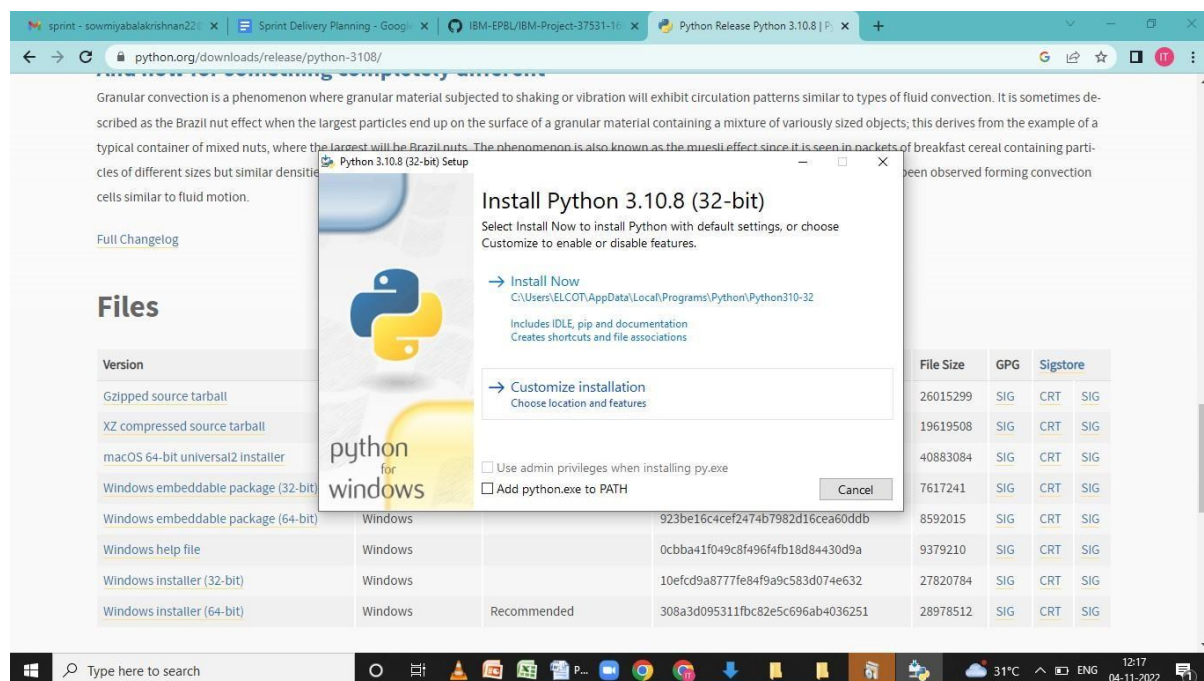
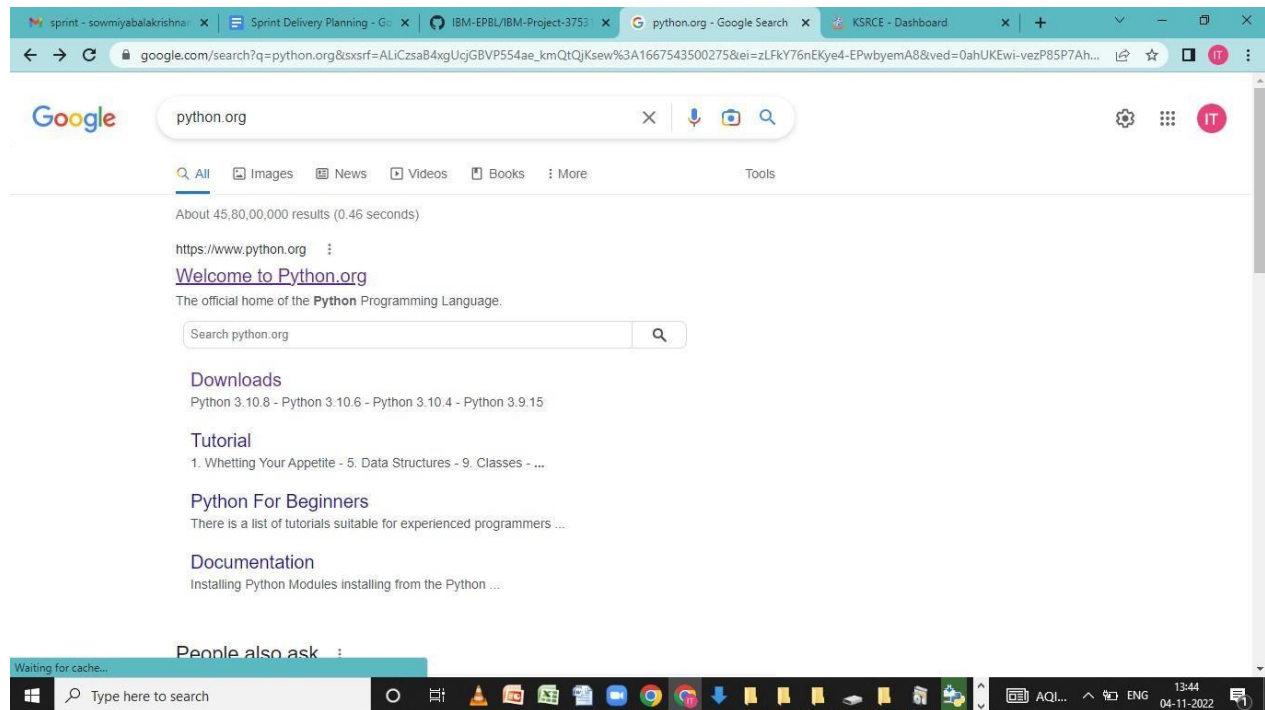


# SOFTWARE

## Installation Process :



python.org/downloads/release/python-3108/

Granular convection is a phenomenon where granular material subjected to shaking or vibration will exhibit circulation patterns similar to types of fluid convection. It is sometimes described as the Brazil nut effect when the largest particles end up on the surface of a granular material containing a mixture of variously sized objects; this derives from the example of a typical container of mixed nuts, where the largest will be Brazil nuts. The phenomenon is also known as the muesli effect since it is seen in packets of breakfast cereal containing particles of different sizes but similar densities. It has been observed forming convection cells similar to fluid motion.

[Full Changelog](#)

## Files

Version	File Size	GPG	Sigstore
Gzipped source tarball	26015299	SIG	CRT SIG
XZ compressed source tarball	19619508	SIG	CRT SIG
macOS 64-bit universal2 installer	40883084	SIG	CRT SIG
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Windows help file	9379210	SIG	CRT SIG
Windows installer (32-bit)	27820784	SIG	CRT SIG
Windows installer (64-bit)	28978512	SIG	CRT SIG

Python 3.10.8 (32-bit) Setup

### Optional Features

- ☒ Documentation  
Installs the Python documentation file.
- ☒ pip  
Installs pip, which can download and install other Python packages.
- ☒ tk/tk and IDLE  
Installs tkinter and the IDLE development environment.
- ☒ Python test suite  
Installs the standard library test suite.
- ☒ py launcher ☐ for all users (requires admin privileges)  
Use Programs and Features to remove the 'py' launcher.

Back Next Cancel

python.org/downloads/release/python-3108/

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Python 3.10.8 (32-bit) Setup

### Advanced Options

- ☐ Install Python 3.10 for all users
- ☒ Associate files with Python (requires the 'py' launcher)
- ☒ Create shortcuts for installed applications
- ☐ Add Python to environment variables
- ☐ Precompile standard library
- ☐ Download debugging symbols
- ☐ Download debug binaries (requires VS 2017 or later)

Customize install location  
C:\Users\ELCOT\AppData\Local\Programs\Python\Python311 Browse

You will require write permissions for the selected location.

Back Install Cancel

python.org/downloads/release/python-3108/

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Python 3.10.8 (32-bit) Setup

Setup Progress

Installing:  
Python 3.10.8 Core Interpreter (32-bit)

Cancel

python for windows

923be16c4cef2474b7982d16cea60ddb  
0cbba41f049c8f496f4fb18d84430d9a  
10efcd9a8777fe84f9a9c583d074e632  
308a3d095311fbc82e5c696ab4036251

Type here to search

31°C 12:18 04-11-2022

python.org/downloads/release/python-3108/

Granular convection is a phenomenon where granular material subjected to shaking or vibration will exhibit circulation patterns similar to types of fluid convection. It is sometimes described as the Brazil nut effect when the largest particles end up on the surface of a granular material containing a mixture of variously sized objects; this derives from the example of a typical container of mixed nuts, where the largest will be Brazil nuts. The phenomenon is also known as the muesli effect since it is seen in packets of breakfast cereal containing particles of different sizes but similar densities. It has been observed forming convection cells similar to fluid motion.

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Python 3.10.8 (32-bit) Setup

Setup Progress

Installing:  
Python 3.10.8 Core Interpreter (32-bit)

Cancel

python for windows

923be16c4cef2474b7982d16cea60ddb  
0cbba41f049c8f496f4fb18d84430d9a  
10efcd9a8777fe84f9a9c583d074e632  
308a3d095311fbc82e5c696ab4036251

Type here to search

31°C 12:18 04-11-2022



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Python 3.10.8 (32-bit) Setup

Setup Progress

Installing:

Python 3.10.8 Development Libraries (32-bit)

Cancel

Type here to search

31°C 12:18 04-11-2022

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Python 3.10.8 (32-bit) Setup

Setup Progress

Installing:

Python 3.10.8 pip Bootstrap (32-bit)

Cancel

Type here to search

31°C 12:20 04-11-2022

python.org/downloads/release/python-3108/

Granular convection is a phenomenon where granular material subjected to shaking or vibration will exhibit circulation patterns similar to types of fluid convection. It is sometimes described as the Brazil nut effect when the largest particles end up on the surface of a granular material containing a mixture of variously sized objects; this derives from the example of a typical container of mixed nuts, where the largest will be Brazil nuts. The phenomenon is also known as the muesli effect since it is seen in packets of breakfast cereal containing particles of different sizes but similar densities. It has been observed forming convection cells similar to fluid motion.

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Python 3.10.8 (32-bit) Setup

Setup was successful

New to Python? Start with the [online tutorial](#) and [documentation](#). At your terminal, type "py" to launch Python, or search for Python in your Start menu.

See [what's new](#) in this release, or find more info about [using Python on Windows](#).

Close

Type here to search

31°C 12:23 04-11-2022

SOFTWARE (Compatibility Mode) - Word

File Home Insert Draw Design Layout References Mailings Review View Help Tell me what you want to do

Times New Roman 12 A A Font Paragraph Styles

Clipboard Paste Copy Format Painter

Find Replace Select Editing

All Apps Documents Web More

Best match

- Python 3.10 (64-bit) App

Apps

- Python 3.10 Manuals (64-bit)
- Python 3.10 Module Docs (64-bit)
- IDLE (Python 3.10 64-bit)

Search the web

- py - See web results
- python
- python online compiler
- python download
- pycharm

Command

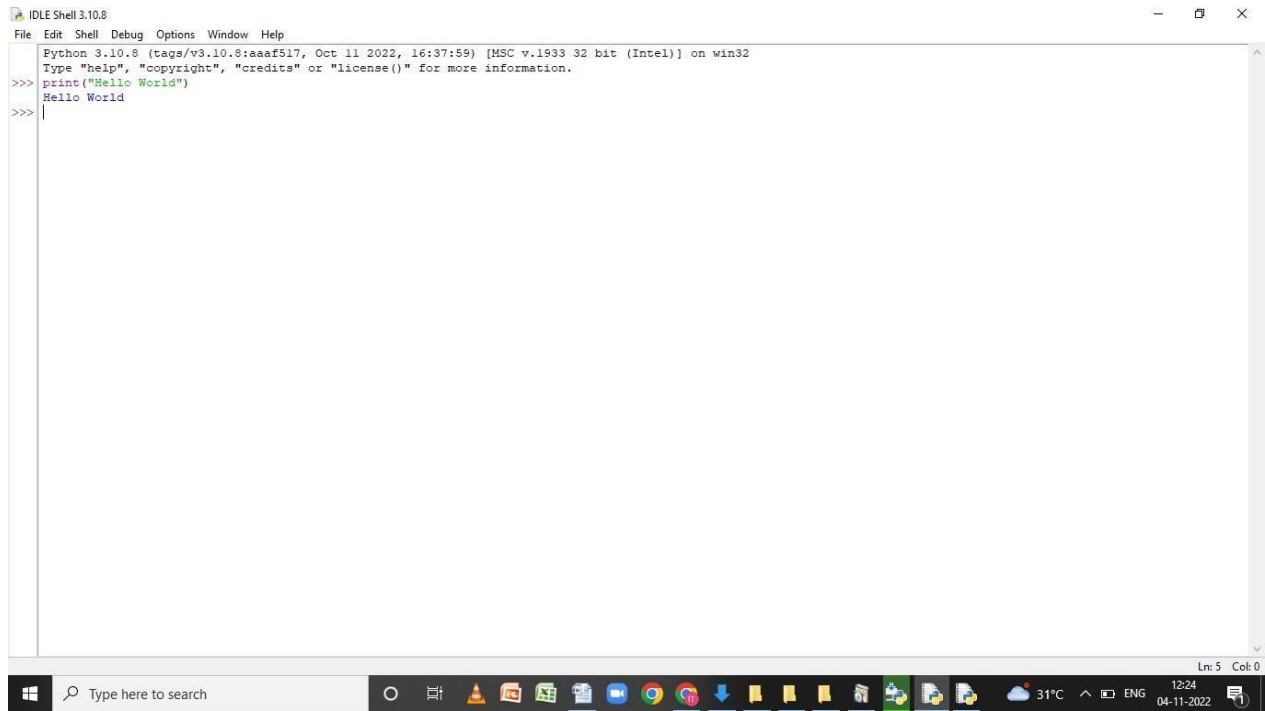
- py

Python 3.10 (64-bit) App

- Open
- Run as administrator
- Open file location
- Pin to Start
- Pin to taskbar
- Uninstall

python 3.10 (64-bit)

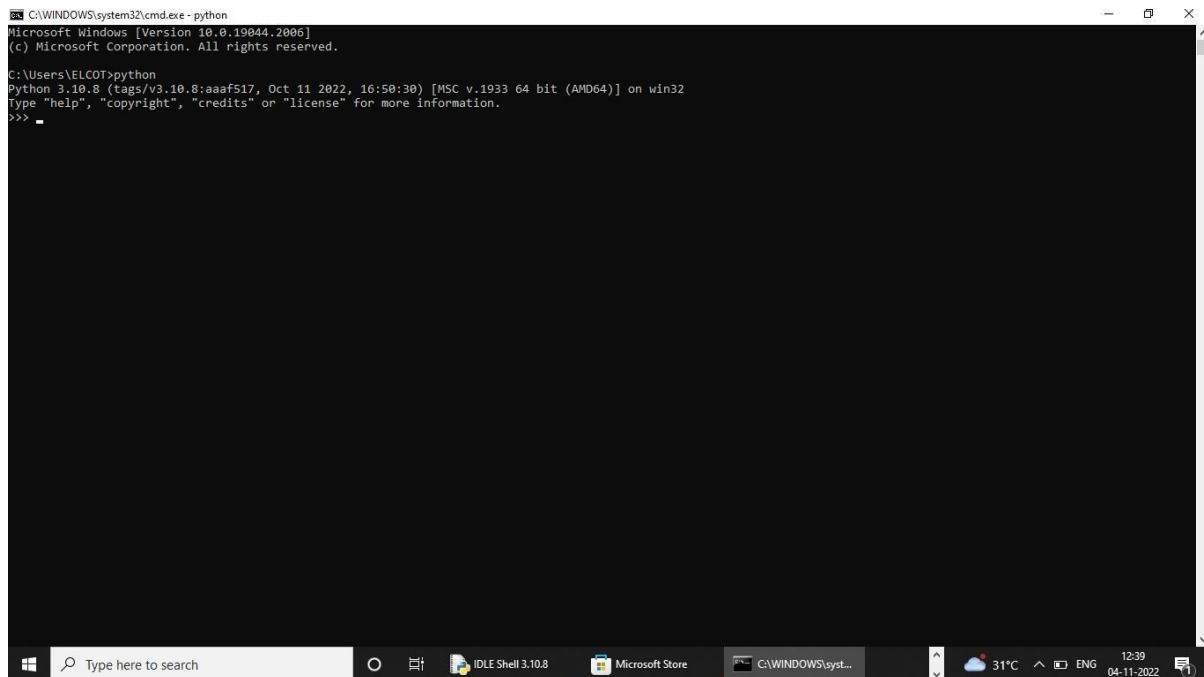
Raining now 11:19 11-11-2022



The screenshot shows the IDLE Shell 3.10.8 window. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell text area contains the following text:

```
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:37:59) [MSC v.1933 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("Hello World")
Hello World
>>> |
```

The status bar at the bottom right of the window shows "Ln: 5 Col: 0". The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons.



The screenshot shows a Windows command prompt window titled "C:\WINDOWS\system32\cmd.exe - python". The text in the window is as follows:

```
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ELCOT>python
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.
>>> _
```

The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons, including IDLE Shell 3.10.8 and Microsoft Store.

```
C:\WINDOWS\system32\cmd.exe - python
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ELCOT>python
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.
>>> print("Hello World")
Hello World
>>>
```

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ELCOT>python
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.
>>> print("Hello World")
Hello World
>>> quit()

C:\Users\ELCOT>pip --version
pip 22.2.2 from C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.2288.0_x64__qbz5n2kfra8p0\lib\site-packages\pip (python 3.10)

C:\Users\ELCOT>
```

SUBMITTED BY

Sagar Y

Rithesh S

Samyuktha R

Naveen Kumar B

