# Day 1/100 Of Data Science

## Python Basics

### What is Python?

- Python is a popular and High Level programming language.
- It was created by Guido van Rossum, and released in 1991.

## Why to Learn Python?

- Python has a simple syntax similar to the English language.
- Python is Open Source which means its available free of cost.
- Python is simple and so easy to learn
- Python has powerful development libraries include AI, ML etc.
- Python is much in demand and ensures high salary
- Python can be used on a server to create web applications.
- Python works on different platforms (Windows, Mac, Linux).

## Careers with Python

- Python developer
- rtificial Intelligence
- Game developer
- Full-stack developer
- Machine learning engineer
- Data scientist
- Data analyst
- Data engineer
- Many more other roles

## Applications on Python

- Netflix
- BGMI
- Robots
- many more

## Features of Python

- Easy-to-learn

- Easy-to-read
- Easy-to-maintain
- Easy to Connect with Databases
- Open Source
- Large Standard libraries like Numpy,Pandas, Matplotlib etc.....

# Python Install

**By Clicking below link you can get official Python Website**

**link: [https://www.python.org/](https://www.python.org/)**

## Steps to install Python

- Go to Python.org website
- Click on Download
- Download Requried Python Version
- After that click on file Explorer
- Click on Download Folder
- Double Tab on Python Installer

### Step 1 – Select Version of Python to Install

### Step 2 – Download Python Executable Installer

| Python version | Maintenance status | First released | End of support | Release schedule |
|---|---|---|---|---|
| 3.13 | prerelease | 2024-10-01 (planned) | 2029-10 | PEP 719 |
| 3.12 | bugfix | 2023-10-02 | 2028-10 | PEP 693 |
| 3.11 | bugfix | 2022-10-24 | 2027-10 | PEP 664 |
| 3.10 | security | 2021-10-04 | 2026-10 | PEP 619 |
| 3.9 | security | 2020-10-05 | 2025-10 | PEP 596 |
| 3.8 | security | 2019-10-14 | 2024-10 | PEP 569 |

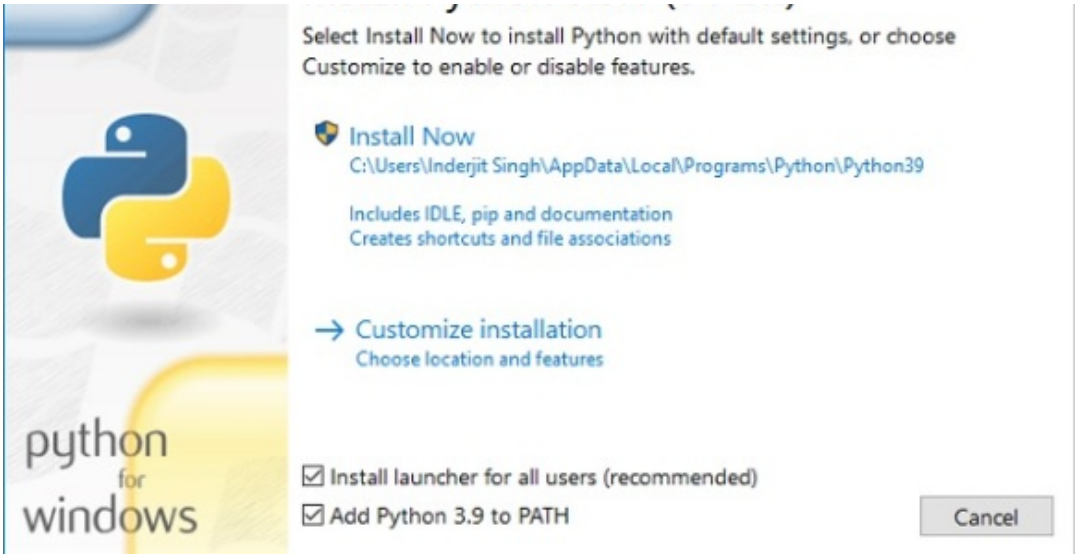
Looking for a specific release?

Python releases by version number:

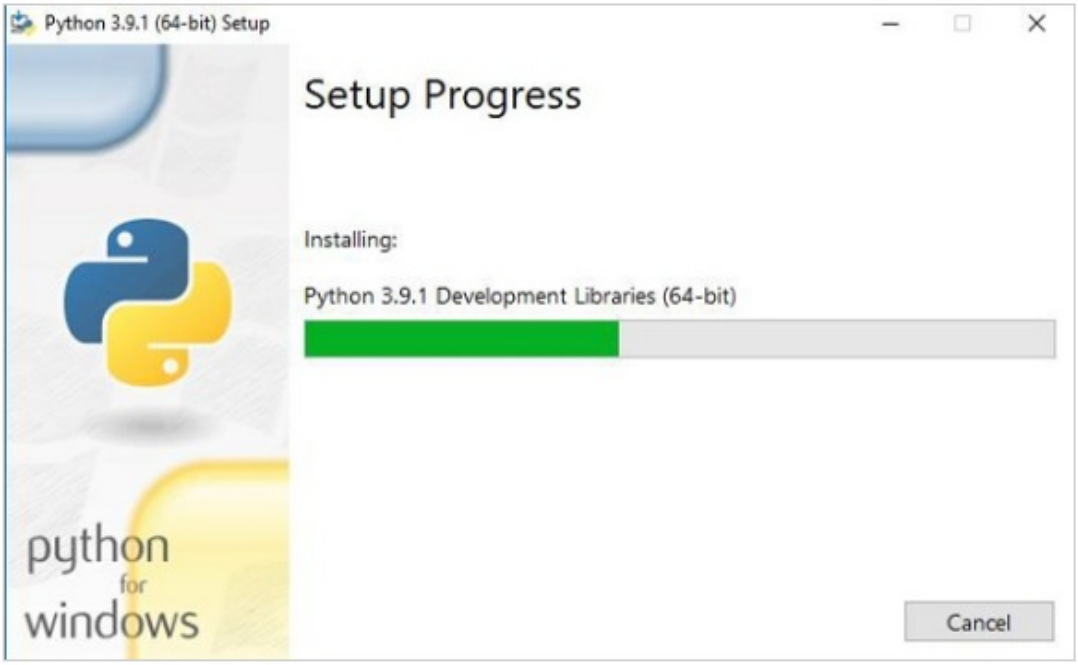
| Release version | Release date | | Click for more |
|---|---|---|---|
| Python 3.12.1 | Dec. 8, 2023 | Download | Release Notes |
| Python 3.11.7 | Dec. 4, 2023 | Download | Release Notes |
| Python 3.12.0 | Oct. 2, 2023 | Download | Release Notes |
| Python 3.11.6 | Oct. 2, 2023 | Download | Release Notes |
| Python 3.11.5 | Aug. 24, 2023 | Download | Release Notes |
| Python 3.10.13 | Aug. 24, 2023 | Download | Release Notes |
| Python 3.9.18 | Aug. 24, 2023 | Download | Release Notes |

View older releases

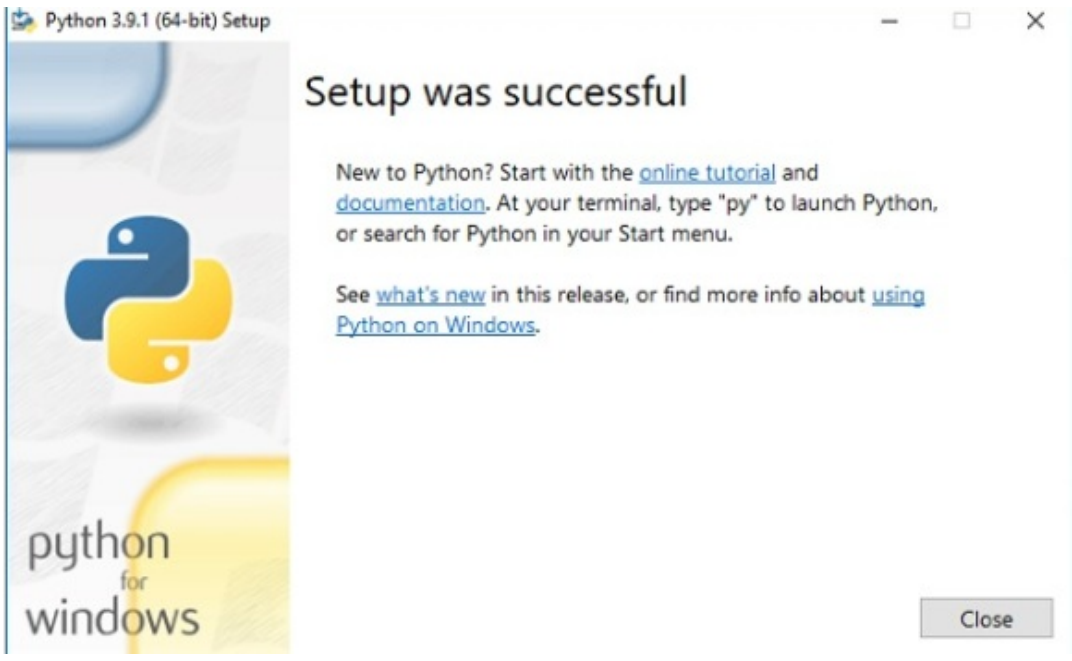
### Step 3 – Run Executable Installer




**On clicking the Install Now, The installation process starts.**



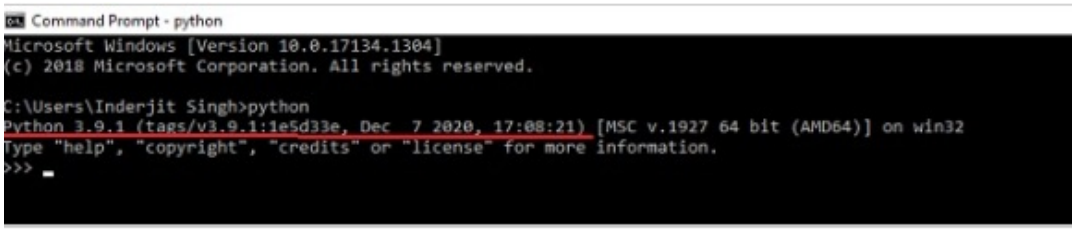

**once the installation is successful, the following screen is displayed.**




## Step 4 – Verify Python is installed on Windows

- **Open the command prompt.**

- **Type python and press enter.**

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