

# Intro to Python — SMM692

## Getting Started with Python

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MSc Pre-Course Series

# Outline

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# Option 1: Official Installer

The screenshot shows the Python.org homepage. At the top, there are navigation links: Python, PSF, Docs, PyPI, Jobs, and Community. Below these is the Python logo, a 'Donate' button, a search bar with a 'GO' button, and a 'Socialize' button. A secondary navigation bar contains links for About, Downloads, Documentation, Community, Success Stories, News, and Events. The main content area features a large banner for downloading the latest version for macOS, with a 'Download Python 3.10.5' button. Below this, there are links for other operating systems (Windows, Linux/UNIX, macOS, Other) and development versions (Prereleases, Docker images). An illustration of two parachutes carrying crates is on the right. At the bottom, there is a section for 'Active Python Releases' with a table.

**Download the latest version for macOS**

[Download Python 3.10.5](#)

Looking for Python with a different OS? Python for [Windows](#), [Linux/UNIX](#), [macOS](#), [Other](#)

Want to help test development versions of Python? [Prereleases](#), [Docker images](#)

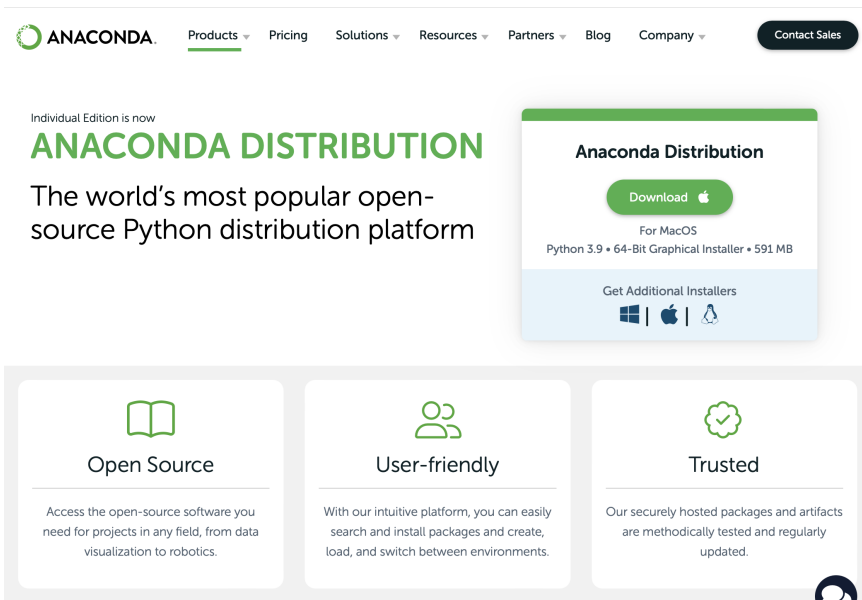
Looking for Python 2.7? See below for specific releases

## Active Python Releases

For more information visit the [Python Developer's Guide](#).

Python version	Maintenance status	First released	End of support	Release schedule
3.10	bugfix	2021-10-04	2026-10	PEP 619
3.9	security	2020-10-05	2025-10	PEP 596

## Option 2: Anaconda Distro (Preferred Way)

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With our intuitive platform, you can easily search and install packages and create, load, and switch between environments.



### Trusted

Our securely hosted packages and artifacts are methodically tested and regularly updated.



# Outline

# Steps

- ❶ Download the installer for your operating system (unless you have a very old machine running Win, go for the 64-Bit version)
- ❷ Run the installer
  - For Linux: navigate to the folder where you have downloaded the installer as per step 1, open a shell session, then run `$ bash ./Anaconda3-XXXX.XX-Linux-x86-64.sh`
  - For Win and Mac OS: just run the graphical installer downloaded in step 1
- ❸ Accept the terms proposed by the Anaconda people to use their software, comprising Python, the conda package manager, and a bundle of modules for data science
- ❹ That's it!
  - For Linux users: if you accepted the default installation options, an environmental variable has been created either in your `.bashrc` or `.zshrc`. That means you can access the various pieces of software included in the Anaconda installation (e.g., Anaconda Navigator) from a shell session
  - For Win and Mac OS users: the various pieces of software included in the Anaconda installation are available from the menu of your system

# Outline



# Python Code listing in Beamer

The following Python code adds two numbers and display the result using `print()` function:

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# Outline