



Python 3 のインストール (Windows 上)

<https://www.kkaneko.jp/cc/python/python37.pptx.pdf>

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Python 言語の 特徴

- 「入門者に学習しやすい」とされる
- 多数の拡張機能
- Python 言語システムのソースコードは公開されている

※ この資料では、**バージョン 3.7.6** のインストール手順を説明。
他のバージョンでも、ほぼ同じ手順



① Python の Web ページを開き, 「Downloads」をクリック

The screenshot shows the Python.org website. The browser's address bar displays "https://www.python.org". The navigation menu includes "Python", "PSF", "Docs", "PyPI", "Jobs", and "Community". Below this, the "python" logo is visible, along with a "Donate" button, a search bar, and a "Socialize" link. A secondary navigation bar contains "About", "Downloads", "Documentation", "Community", "Success Stories", "News", and "Events". The "Downloads" link is highlighted with a red rectangular box. Below the navigation bar, there is a code editor showing a Python script for calculating the Fibonacci series up to n, and a section titled "Functions Defined" with a brief explanation of function definition in Python.

```
# Python 3: Fibonacci series up to n
>>> def fib(n):
>>>     a, b = 0, 1
>>>     while a < n:
>>>         print(a, end=' ')
>>>         a, b = b, a+b
>>>     print()
>>> fib(1000)
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987
```

Functions Defined

The core of extensible programming is defining functions. Python allows mandatory and optional arguments, keyword arguments, and even arbitrary argument lists. [More about defining functions in Python 3](#)








1 2 3 4 5



② Python のバージョンを選ぶ

Looking for a specific release?

Python releases by version number:

Release version	Release date	Click for more	
Python 3.8.1	Dec. 18, 2019	 Download	Release Notes
Python 3.7.6	Dec. 18, 2019	 Download	Release Notes
Python 3.6.10	Dec. 18, 2019	 Download	Release Notes
Python 3.5.9	Nov. 2, 2019	 Download	Release Notes
Python 3.5.8	Oct. 29, 2019	 Download	Release Notes
Python 2.7.17	Oct. 19, 2019	 Download	Release Notes
Python 3.7.5	Oct. 15, 2019	 Download	Release Notes

[View older releases](#)



③ Windows の 64ビット版のインストーラをダウンロードしたいので、「x86_64-executable-installer」を選ぶ

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		3ef90f064506dd85b4b4ab87a7a83d44	23148187	SIG
XZ compressed source tarball	Source release		c08fbee72ad5c2c95b0f4e44bf6fd72c	17246360	SIG
macOS 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	0dfc4cdd9404cf0f5274d063eca4ea71	35057307	SIG
macOS 64-bit installer	Mac OS X	for OS X 10.9 and later	57915a926caa15f03ddd638ce714dd3b	28235421	SIG
Windows help file	Windows		8b915434050b29f9124eb93e3e97605b	8158109	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64	5f84f4f62a28d3003679dc693328f8fd	7503251	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64	cc31a9a497a4ec8a5190edecc5cdd303	26802312	SIG
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64	f9c11893329743d77801a7f49612ed87	1363000	SIG
Windows x86 embeddable zip file	Windows		accb8a137871ec632f581943c39cb566	6747070	SIG
Windows x86 executable installer	Windows		9e73a1b27bb894f87fdce430ef88b3d5	25792544	SIG
Windows x86 web-based installer	Windows		c7f474381b7a8b90b6f07116d4d725f0	1324840	SIG



④ ダウンロードしたファイルを実行。「Add Python 3.7 to PATH」をチェックして、「Install Now」をクリック

Python 3.7.6 (64-bit) Setup



Install Python 3.7.6 (64-bit)

Select Install Now to install Python with default settings, or choose Customize to enable or disable features.

→ Install Now

C:\Users\user\AppData\Local\Programs\Python\Python37

Includes IDLE, pip and documentation
Creates shortcuts and file associations

→ Customize installation

Choose location and features

Install launcher for all users (recommended)

Add Python 3.7 to PATH

Cancel

python
for
windows



⑤ インストールの終了. 「Close」をクリック

※ 「Disable path length limit」が表示されたときは、クリックして、パス長の制限を解除する





⑥ pip, setuptools の更新

Windows のコマンドプロンプトで、次のコマンドを実行

```
py -m pip install --upgrade pip
```

```
pip install -U setuptools
```

```
pip list
```

※ pip list はバージョンの確認のため

```
C:\Windows\System32>pip install -U setuptools
Collecting setuptools
  Using cached https://files.pythonhosted.org/packages/54/28/c45d8b54c1339f9644b87663945e54a8503cfef59cf0f65b3ff5dd17cf64/setuptools-42.0.2-py2.py3-none-any.whl
Installing collected packages: setuptools
  Found existing installation: setuptools 41.2.0
  Uninstalling setuptools-41.2.0:
    Successfully uninstalled setuptools-41.2.0
Successfully installed setuptools-42.0.2

C:\Windows\System32>_
```

```
C:\Windows\System32>pip list
Package      Version
-----
pip          19.3.1
setuptools  42.0.2

C:\Windows\System32>_
```