

Installing Python + Running a Local HTTP Server (on Windows)

Go to: https://developer.mozilla.org/en-US/docs/Learn/Common_questions/set_up_a_local_testing_server#Running_a_simple_local_HTTP_server#Running_a_simple_local_HTTP_server

Python Software Foundation [US]

https://www.python.org

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```
# Python 3: Fibonacci sequence
>>> 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](#)

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Python Releases for Windows

Python Releases for Windows

- [Latest Python 3 Release - Python 3.7.0](#)
- [Latest Python 2 Release - Python 2.7.15](#)
- [Python 3.7.0 - 2018-06-27](#)
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- [Python 3.6.6 - 2018-06-27](#)
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Install Python 3.7.0 (32-bit)

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



Install Now

C:\Users\rLeopold\AppData\Local\Programs\Python\Python37-32

Includes IDLE, pip and documentation
Creates shortcuts and file associations



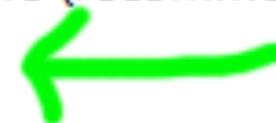
Customize installation

Choose location and features

☒ Install launcher for all users (recommended)

☒ Add Python 3.7 to PATH

Make sure to check this box



Cancel

python
for
windows

if something like this...

```
C:\Users\Adjunct Faculty\Rebecca>thisdir>python -v
report _frozen_importlib: frozen
import _imp: builtin
import _thread: <class '_frozen_importlib.BuiltinImporter'>
import _warnings: <class '_frozen_importlib.BuiltinImporter'>
import _weakref: <class '_frozen_importlib.BuiltinImporter'>
installing zipimport hook
import 'zipimport': <class '_frozen_importlib.BuiltinImporter'>
installed zipimport hook
import '_frozen_importlib_external': <class '_frozen_importlib.FrozenImporter'>
import '_io': <class '_frozen_importlib.BuiltinImporter'>
import 'marshal': <class '_frozen_importlib.BuiltinImporter'>
import 'nt': <class '_frozen_importlib.BuiltinImporter'>
import _thread: previously loaded ('_thread')
import '_thread': <class '_frozen_importlib.BuiltinImporter'>
import _weakref: previously loaded ('_weakref')
import '_weakref': <class '_frozen_importlib.BuiltinImporter'>
import 'winreg': <class '_frozen_importlib.BuiltinImporter'>
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\__pycache__\__init__.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\__init__.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\encodings\\__pycache__\\__init__.cpython-37.pyc'
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\__pycache__\codecs.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\codecs.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\codecs.cpython-37.pyc'
import '_codecs': <class '_frozen_importlib.BuiltinImporter'>
import 'codecs': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111745100>
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\__pycache__\aliases.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\aliases.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\encodings\\__pycache__\\aliases.cpython-37.pyc'
import 'encodings.aliases': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111745100>
import 'encodings': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111738588>
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\__pycache__\utf_8.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\utf_8.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\encodings\\__pycache__\\utf_8.cpython-37.pyc'
import 'encodings.utf_8': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111745100>
import '_signal': <class '_frozen_importlib.BuiltinImporter'>
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\__pycache__\latin_1.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\encodings\latin_1.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\encodings\\__pycache__\\latin_1.cpython-37.pyc'
import 'encodings.latin_1': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111745100>
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\__pycache__\io.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\io.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\io.cpython-37.pyc'
r C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\__pycache__\abc.cpython-37.pyc matches C:\Users\Adjunct Faculty\AppData\Local\Programs\Python\Python37\lib\abc.py
r code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\abc.cpython-37.pyc'
import '_abc': <class '_frozen_importlib.BuiltinImporter'>
import 'abc': <_frozen_importlib_external.SourceFileLoader object at 0x0000022111745100>
```


... and this:

success!!

```
# code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\_collections_abc.cpython-37.pyc'
import '_collections_abc' # <_frozen_importlib_external.SourceFileLoader object at 0x0000022111791B8>
import 'os' # <_frozen_importlib_external.SourceFileLoader object at 0x00000221117815F8>
# C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\_sitebuiltins.cpython-37.pyc matches C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\_sitebuiltins.py
# code object from 'C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\__pycache__\\_sitebuiltins.cpython-37.pyc'
import '_sitebuiltins' # <_frozen_importlib_external.SourceFileLoader object at 0x00000221117819B8>
>
import 'site' # <_frozen_importlib_external.SourceFileLoader object at 0x00000221117752B0>
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
import 'atexit' # <class '_frozen_importlib.BuiltinImporter'>
>>>
```

type:
quit()

```
# C:\\Users\\Adjunct Faculty\\AppData\\Local\\Programs\\Python\\Python37\\lib\\_sitebuiltins.py
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
import 'atexit' # <class '_frozen_importlib.BuiltinImporter'>
>>> quit()
```


and it will return you
to the directory

```
# cleanup[3] wiping nt
# cleanup[3] wiping winreg
# cleanup[3] wiping codecs
# cleanup[3] wiping _codecs
# cleanup[3] wiping encodings.aliases
# cleanup[3] wiping encodings.utf_8
# cleanup[3] wiping encodings.latin_1
# cleanup[3] wiping sys
# cleanup[3] wiping builtins
```

```
C:\Users\Adjunct Faculty\_Rebecca\thisDir>dir
Volume in drive C has no label.
Volume Serial Number is 78D8-47A1
```

```
Directory of C:\Users\Adjunct Faculty\_Rebecca\thisDir
```

```
09/06/2018  07:56 PM    <DIR>          .
09/06/2018  07:56 PM    <DIR>          ..
09/06/2018  08:12 PM                1,043 index
                        1 File(s)            1,043 byte
                        2 Dir(s)  425,420,906,496 byt
```

```
C:\Users\Adjunct Faculty\_Rebecca\thisDir>
```

Terminal we are speaking **Windows** :

- **cd** + directory - "change directory"
- **dir** - "list items in this directory"
- **cd** - "present working directory"

Running a local **Python** HTTP Server:

When inside yr project folder simply type the following command:

"python -m http.server"
– defaults to port 8000

if we wrote:

"python -m http.server 12345"
- we would go to port 12345

```
09/06/2018 07:56 PM <DIR> .
09/06/2018 07:56 PM <DIR> ..
09/06/2018 08:12 PM      1,043 index.html
                  1 File(s)      1,043 bytes
                  2 Dir(s)  425,420,906,496 bytes free

C:\Users\Adjunct Faculty\_Rebecca\thisDir>python -m http.server
```

```
09/06/2018 07:56 PM <DIR> .
09/06/2018 07:56 PM <DIR> ..
09/06/2018 08:12 PM      1,043 index.html
                  1 File(s)      1,043 bytes
                  2 Dir(s)  425,420,906,496 bytes free

C:\Users\Adjunct Faculty\_Rebecca\thisDir>python -m http.server
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
```