

Python 3

Course

by Mykola Kozlenko

Topic 1 Part 2



Installation under Linux

There is no need to install something on Ubuntu 14.04 and higher

```
mykola$ python
```

```
Python 2.7.5 (default, Sep 15 2016, 22:37:39)
```

```
[GCC 4.8.5 20150623 (Red Hat 4.8.5-4)] on linux2
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>>
```

```
mykola$ python3
```

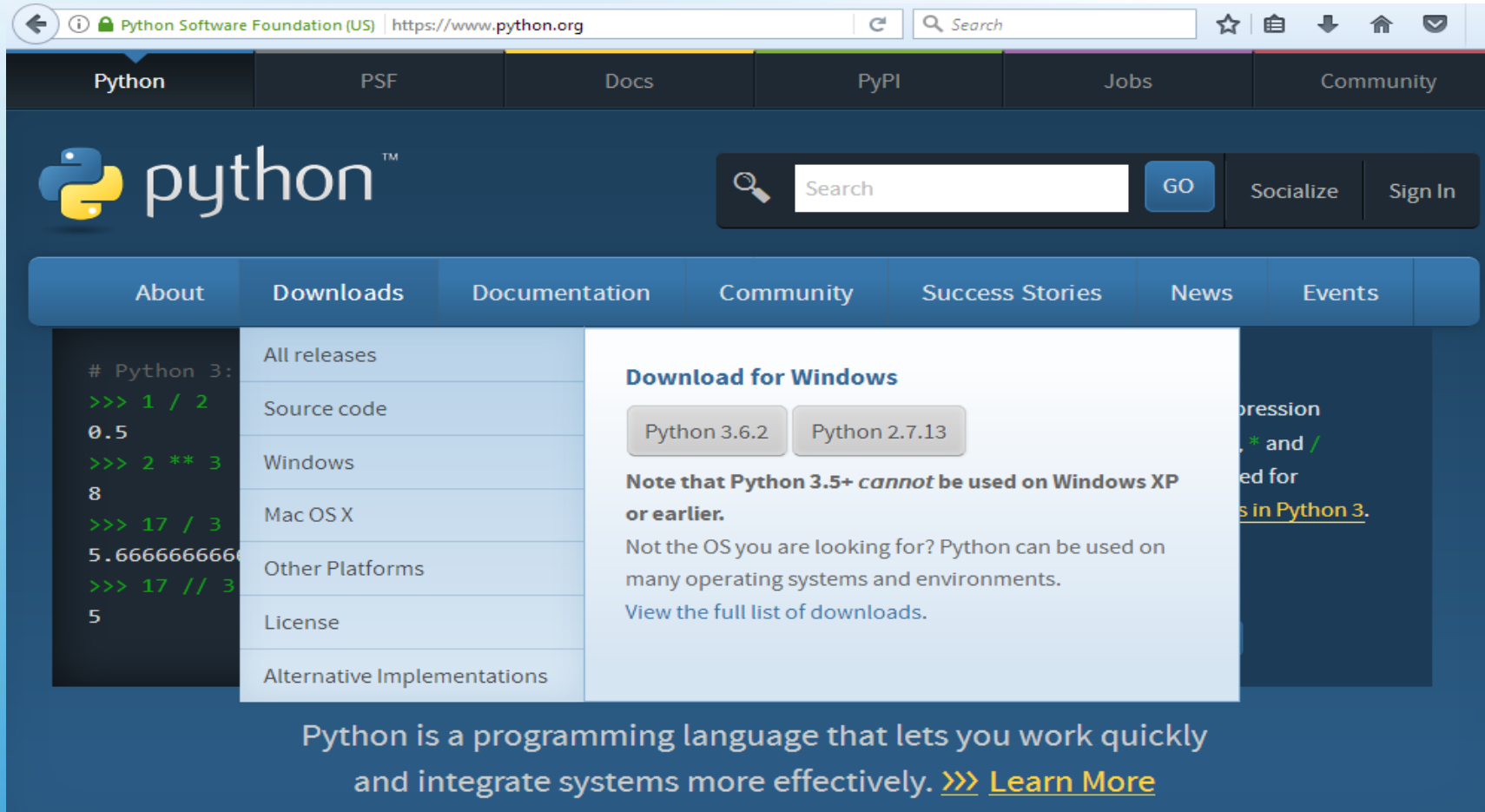
```
Python 3.4.3 (default, Jun 29 2015, 12:16:01)
```

```
[GCC 5.1.1 20150618 (Red Hat 5.1.1-4)] on linux
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>>
```

Installation under Windows



The screenshot shows the Python Software Foundation website. The browser address bar displays "Python Software Foundation (US) | https://www.python.org". The navigation bar includes links for Python, PSF, Docs, PyPI, Jobs, and Community. The main header features the Python logo, a search bar, and links for Socialize and Sign In. A secondary navigation bar lists About, Downloads, Documentation, Community, Success Stories, News, and Events. The "Downloads" menu is open, showing options: All releases, Source code, Windows, Mac OS X, Other Platforms, License, and Alternative Implementations. The "Windows" option is selected, leading to a "Download for Windows" section. This section includes buttons for Python 3.6.2 and Python 2.7.13, a note that Python 3.5+ cannot be used on Windows XP or earlier, and a link to view the full list of downloads. At the bottom, a message states: "Python is a programming language that lets you work quickly and integrate systems more effectively. >>> [Learn More](#)".

Python Software Foundation (US) | https://www.python.org

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python™

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Python 3:
>>> 1 / 2
0.5
>>> 2 ** 3
8
>>> 17 / 3
5.666666666
>>> 17 // 3
5

All releases
Source code
Windows
Mac OS X
Other Platforms
License
Alternative Implementations

Download for Windows

Python 3.6.2 Python 2.7.13

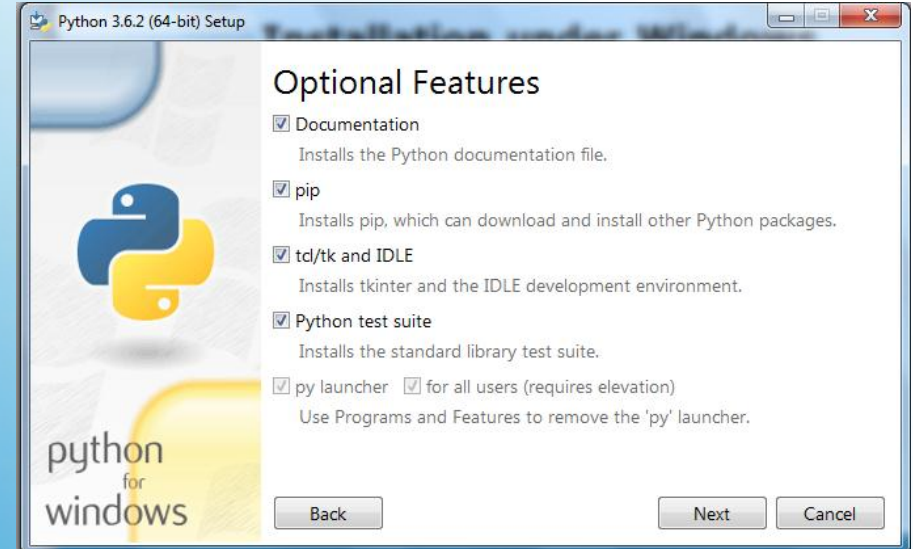
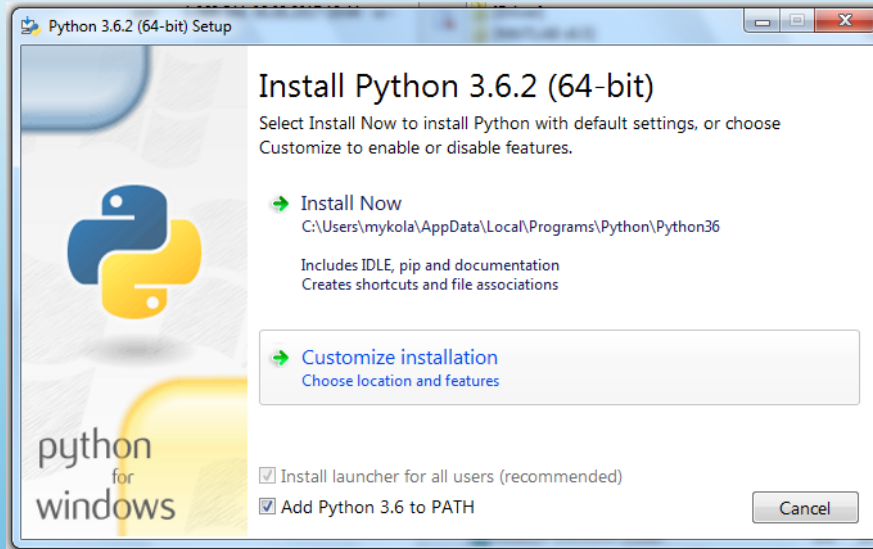
Note that Python 3.5+ *cannot* be used on Windows XP or earlier.

Not the OS you are looking for? Python can be used on many operating systems and environments.
[View the full list of downloads.](#)

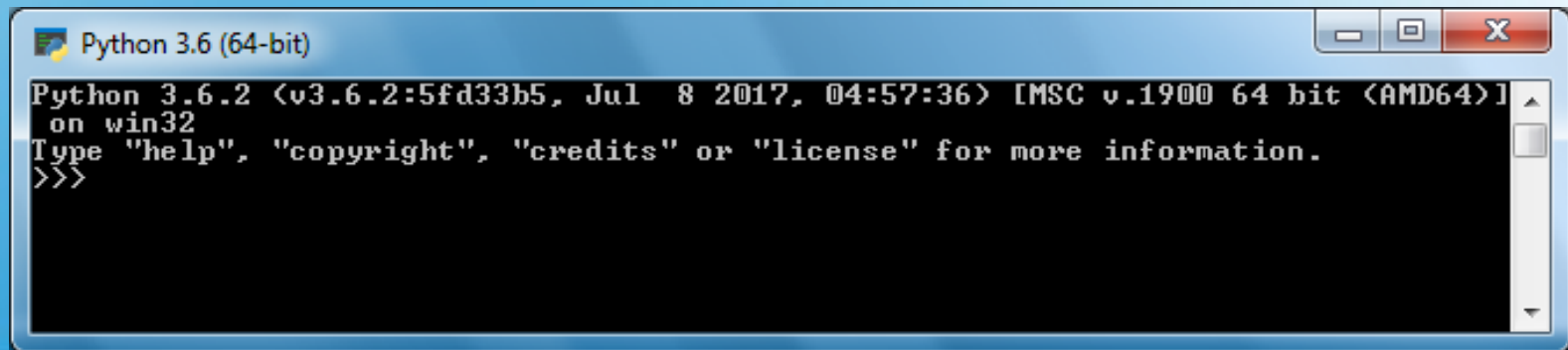
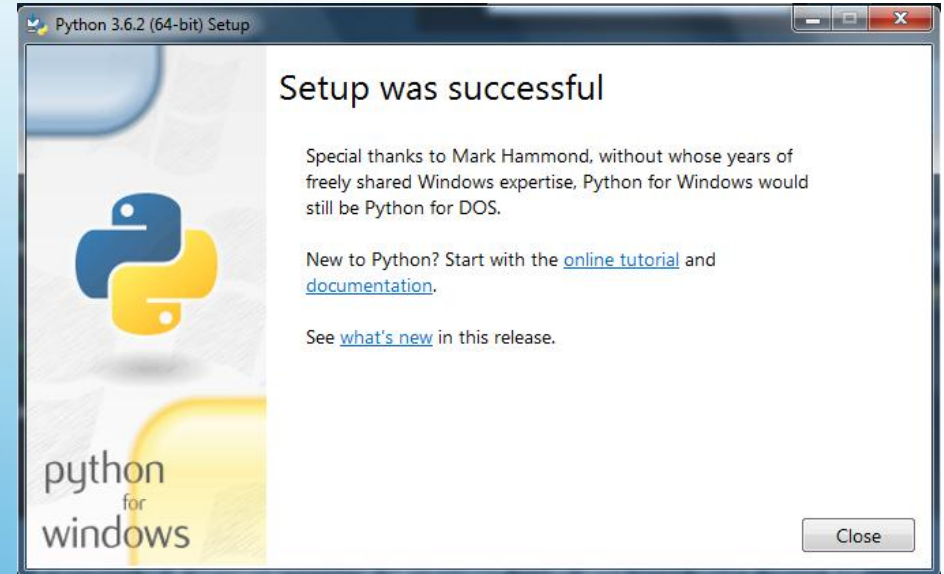
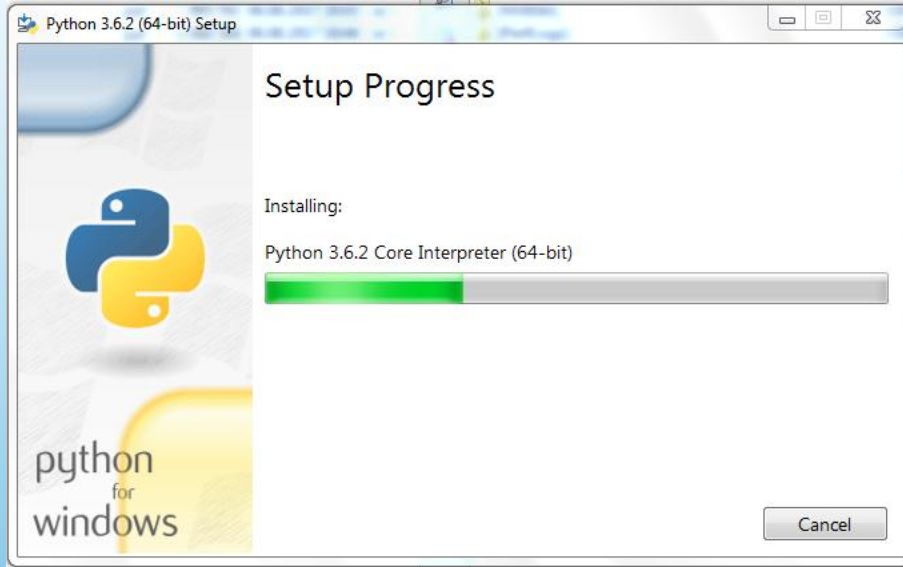
Python is a programming language that lets you work quickly and integrate systems more effectively. >>> [Learn More](#)

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Installation under Windows



Installation under Windows



Linux and DOS CLI Commands

- **ls**
- **cd**
- **mv**
- **cp**
- **mkdir**
- **rmdir**
- **touch**
- **rm**
- **cat**
- **dir**
- **cd**
- **move**
- **copy**
- **mkdir**
- **rmdir**
- **type nul > file.txt**
- **del**
- **type**

How to check Python Version and Platform

From linux console:

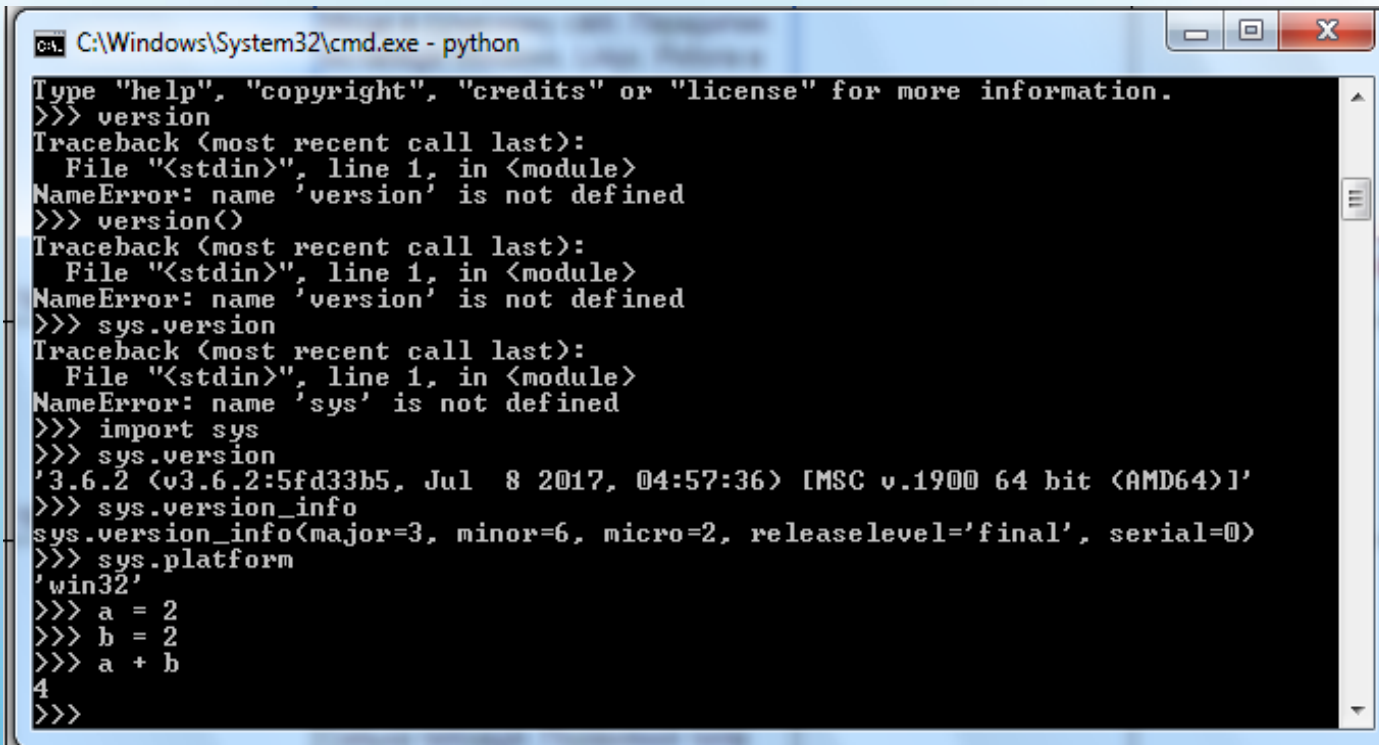
- `$ python --version`
- `$ python -V`

From python REPL or script:

```
>>> import sys
>>> sys.version
>>> sys.version_info
```

```
>>> sys.platform
```

REPL – Read Evaluate Print Loop



```
C:\Windows\System32\cmd.exe - python
Type "help", "copyright", "credits" or "license" for more information.
>>> version
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'version' is not defined
>>> version()
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'version' is not defined
>>> sys.version
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'sys' is not defined
>>> import sys
>>> sys.version
'3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:57:36) [MSC v.1900 64 bit (AMD64)]'
>>> sys.version_info
sys.version_info(major=3, minor=6, micro=2, releaselevel='final', serial=0)
>>> sys.platform
'win32'
>>> a = 2
>>> b = 2
>>> a + b
4
>>>
```

```
>>> exit()
>>> quit()
>>> Ctrl+D
```

```
>>> _ - last answer
```

```
>>> import this
>>> import antigravity
```


Creating and running script

```
print('Hello, world!')
```

```
>>> import test.py
```

```
$ python3 test.py
```

```
#!/usr/bin/env python3
```

```
#!/usr/bin/python3.6
```

```
# -*- coding: utf-8 -*-
```

```
$ chmod +x test.py
```

```
$ ./test.py
```

Ctrl+C – stop script

```
import __hello__
```

```
python -i
```

Thank you for listening!

Feel free to contact me

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