

# TensorFlow Installation

# 1. Python

- Googling & installation
- <https://www.python.org/downloads/>
- install 3.x version (not the last version)

Python 3.6.2 (64-bit) Setup

## Install Python 3.6.2 (64-bit)

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



**Install Now**

C:\Users\Wycb\AppData\Local\Programs\Python\Python36

Includes IDLE, pip and documentation  
Creates shortcuts and file associations

→ **Customize installation**  
Choose location and features

python  
for  
windows

- ☒ Install launcher for all users (recommended)
- ☒ Add Python 3.6 to PATH

Cancel

## 2. TensorFlow

- > pip install --upgrade
- > pip install tensorflow

CA 명령 프롬프트

```
C:\Users\mycb>pip install tensorflow
Collecting tensorflow
  Using cached tensorflow-1.3.0-cp36-cp36m-win_amd64.whl
Collecting tensorflow-tensorboard<0.2.0,>=0.1.0 (from tensorflow)
  Using cached tensorflow_tensorboard-0.1.5-py3-none-any.whl
Collecting wheel>=0.26 (from tensorflow)
  Downloading wheel-0.29.0-py2.py3-none-any.whl (66kB)
    100% |████████████████████████████████████████| 71kB 688kB/s
Collecting numpy>=1.11.0 (from tensorflow)
  Using cached numpy-1.13.1-cp36-none-win_amd64.whl
Collecting six>=1.10.0 (from tensorflow)
  Using cached six-1.10.0-py2.py3-none-any.whl
Collecting protobuf>=3.3.0 (from tensorflow)
  Using cached protobuf-3.4.0-py2.py3-none-any.whl
Collecting bleach==1.5.0 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
  Using cached bleach-1.5.0-py2.py3-none-any.whl
Collecting html5lib==0.9999999 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
Collecting markdown>=2.6.8 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
Collecting werkzeug>=0.11.10 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
  Using cached Werkzeug-0.12.2-py2.py3-none-any.whl
Requirement already satisfied: setuptools in c:\Users\mycb\AppData\Local\Programs\Python\Python36\lib\site-packages (from protobuf>=3.3.0->tensorflow)
Installing collected packages: six, html5lib, bleach, protobuf, markdown, werkzeug,
```

# Test

```
>python
```

```
>>> import tensorflow as tf
```

```
>>> hello = tf.constant('Hello,World!')
```

```
>>> sess = tf.Session()
```

```
>>> print(sess.run(hello))
```

```
Hello,World!
```

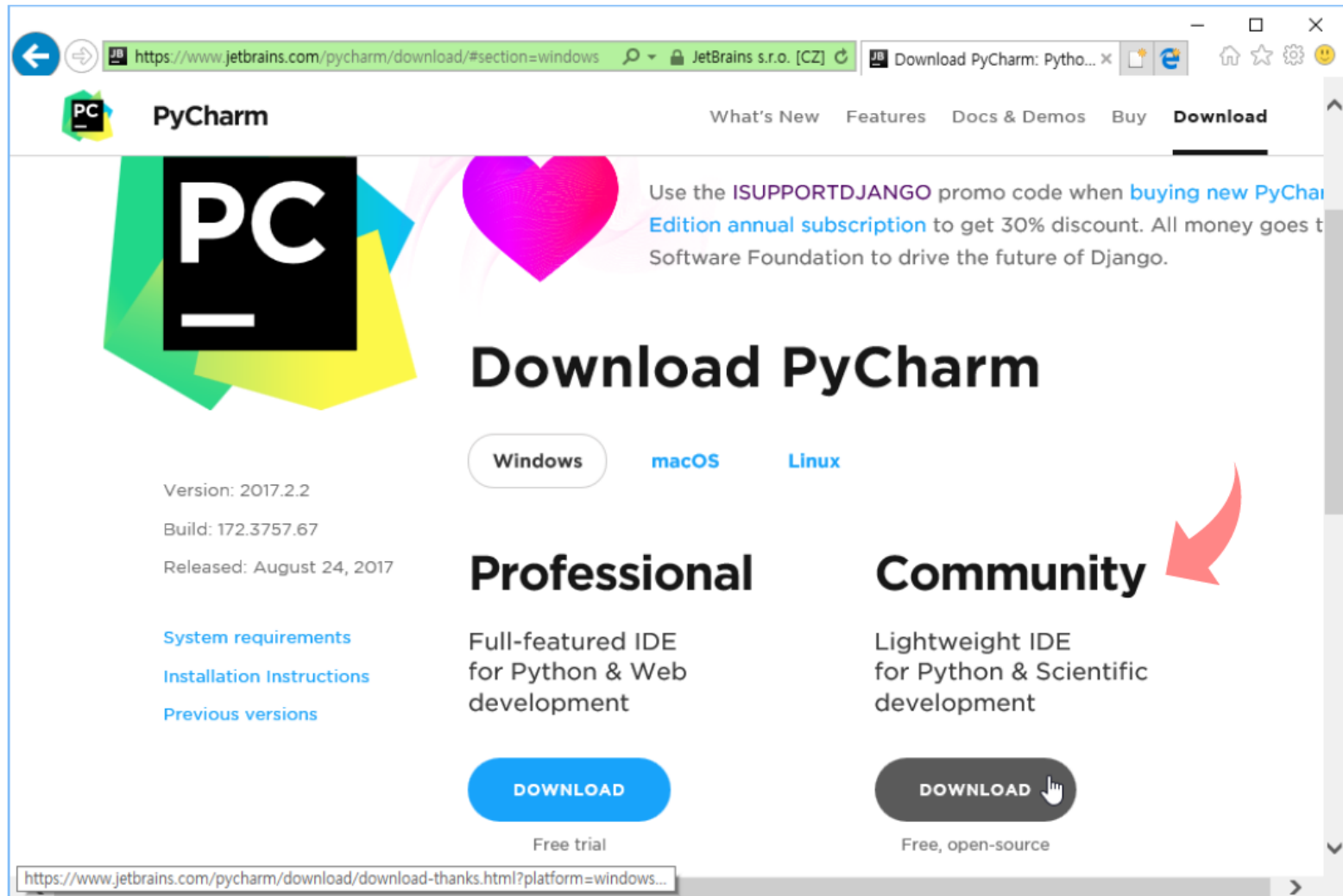
```
>>> a = tf.constant(2)
```

```
>>> b = tf.constant(3)
```

```
>>> print (sess.run(a + b))
```

```
5
```

# 3. PyCharm



PyCharm

What's New Features Docs & Demos Buy **Download**

Use the **ISUPPORTDJANGO** promo code when [buying new PyCharm Edition annual subscription](#) to get 30% discount. All money goes to the Django Software Foundation to drive the future of Django.

## Download PyCharm

Windows macOS Linux

Version: 2017.2.2  
Build: 172.3757.67  
Released: August 24, 2017

[System requirements](#)  
[Installation Instructions](#)  
[Previous versions](#)

### Professional

Full-featured IDE for Python & Web development

**DOWNLOAD**

Free trial

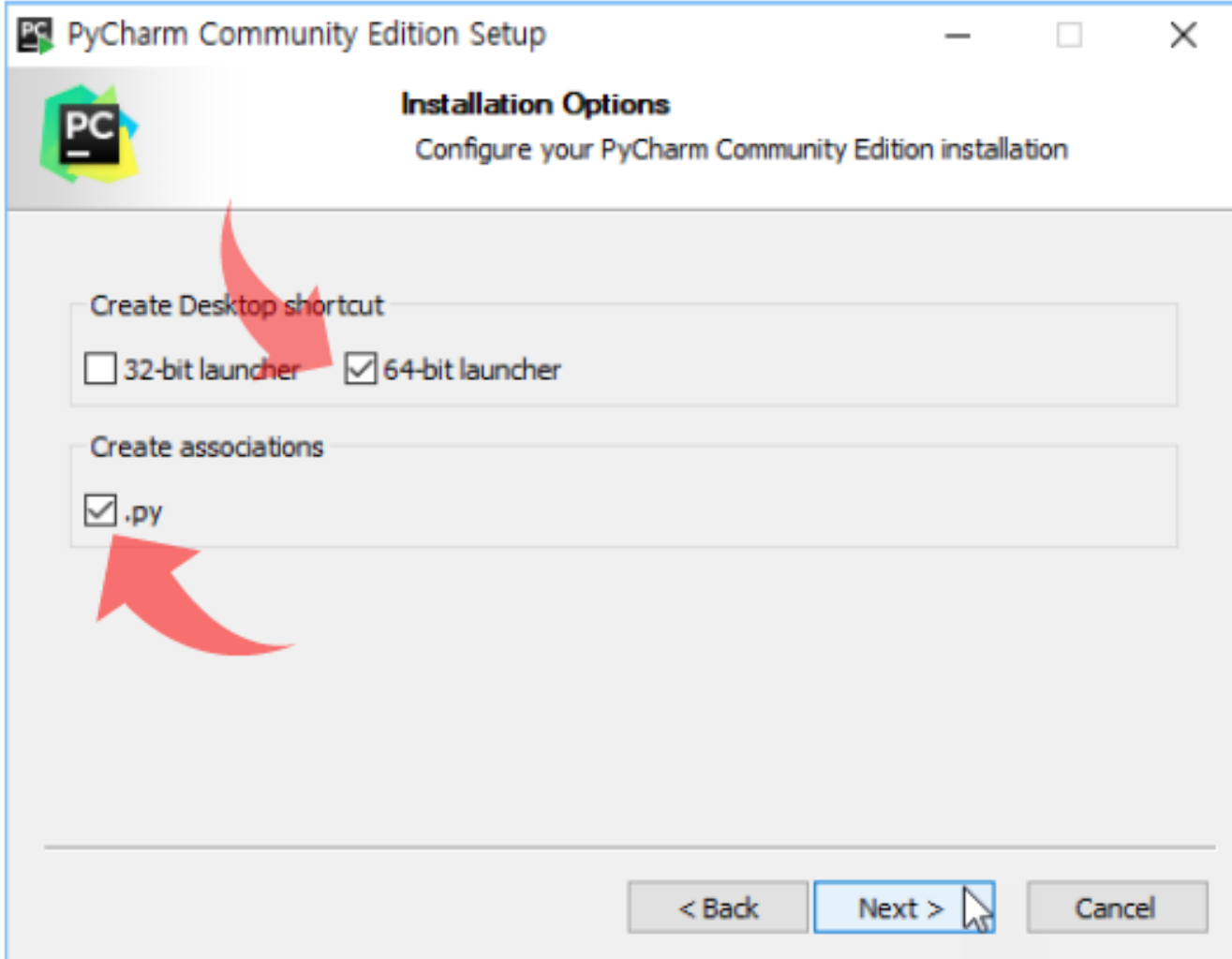
### Community

Lightweight IDE for Python & Scientific development

**DOWNLOAD**

Free, open-source

<https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=windows...>








Welcome to PyCharm Community Edition





# PyCharm Community Edition

Version 2017.2.2

 [Create New Project](#)

 [Open](#)

 [Check out from Version Control](#) ▾

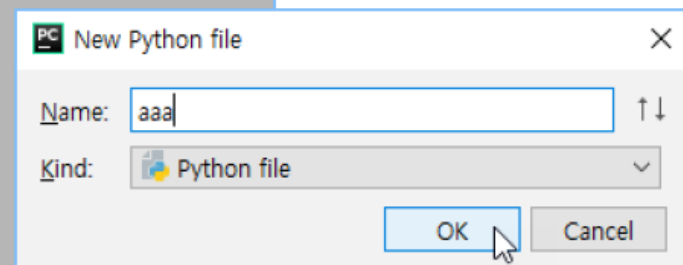
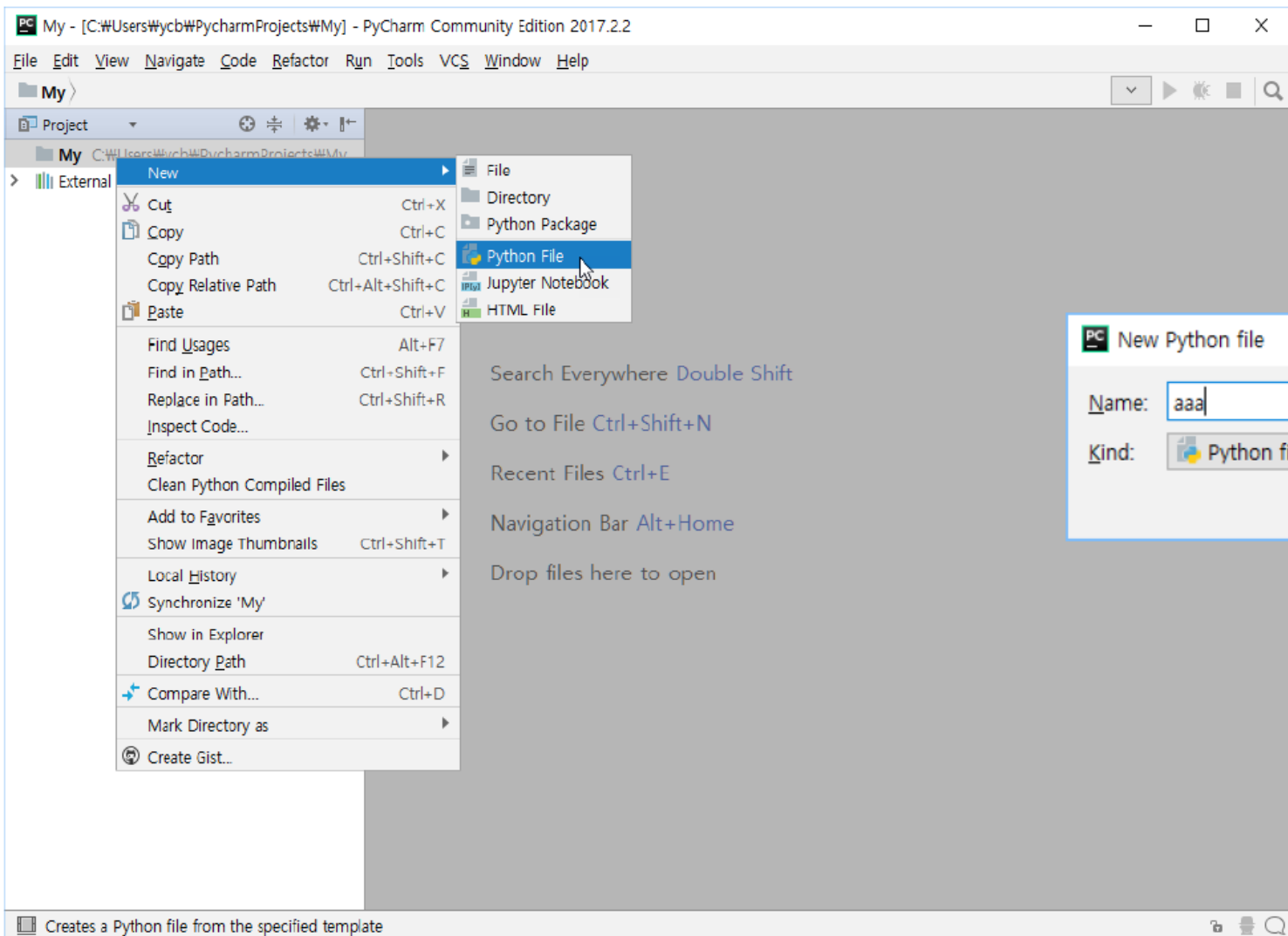
 [Configure](#) ▾ [Get Help](#) ▾

PC New Project

Location: C:\Users\ycb\PycharmProjects\My

Interpreter: C:\Users\ycb\AppData\Local\Programs\Python\Python36\python.exe

Back Create



```
1  
2 print('Hello,World!')  
3  
4
```

I