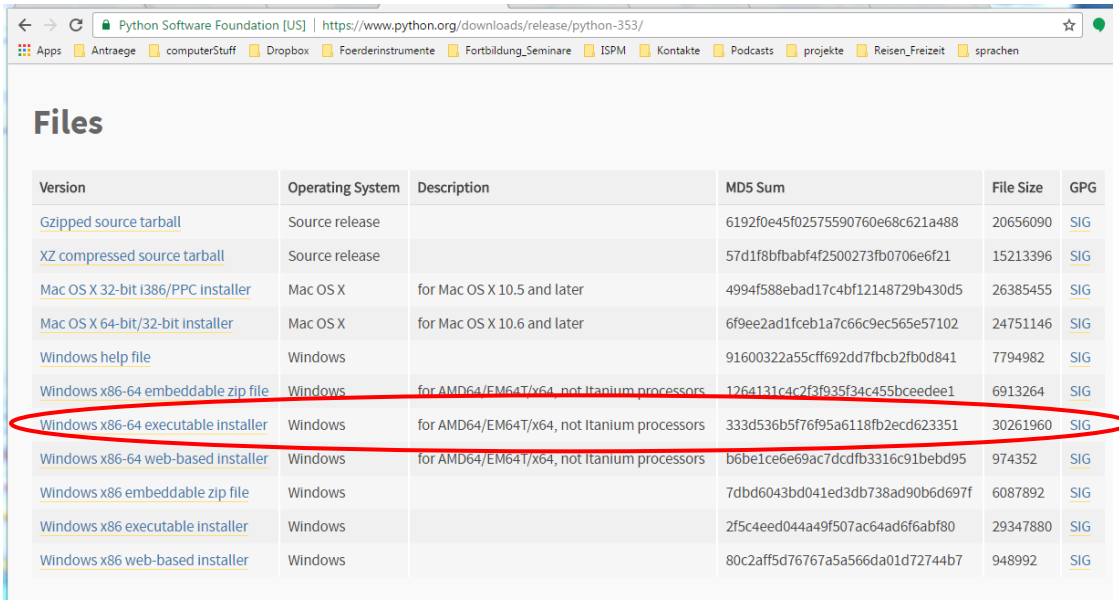
Installation guide for tensorflow 1.0 , Python 3.5 & jupyter notebook on Windows (7)

a) Install Python 3.5

Download python 3.5 from official Python page by using "executable installer":

https://www.python.org/downloads/release/python-353/



Python Software Foundation [US] | https://www.python.org/downloads/release/python-353/

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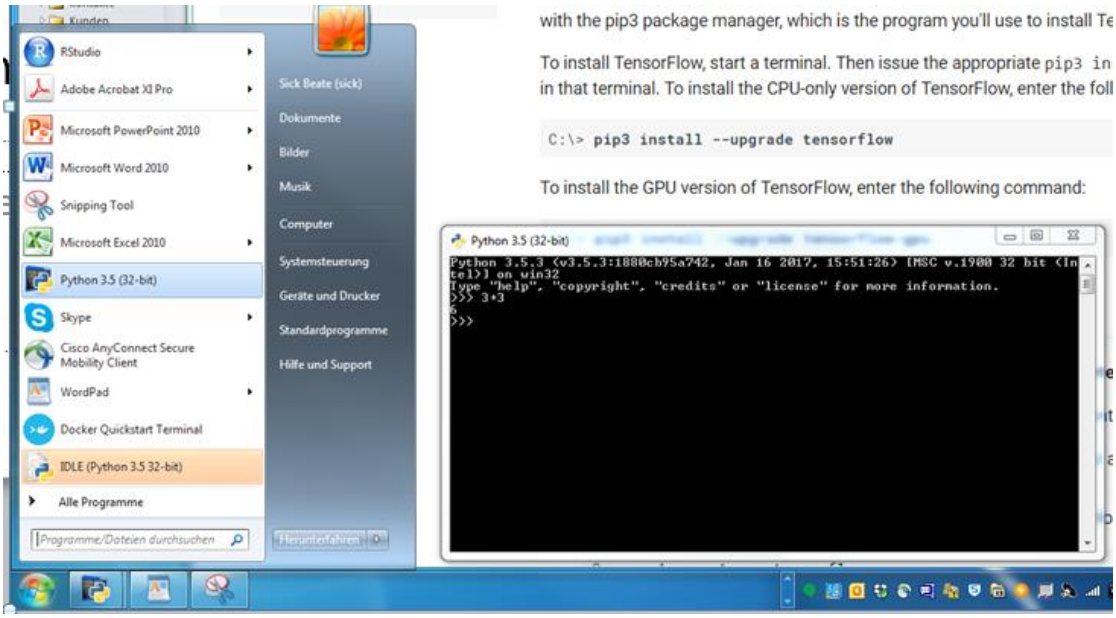
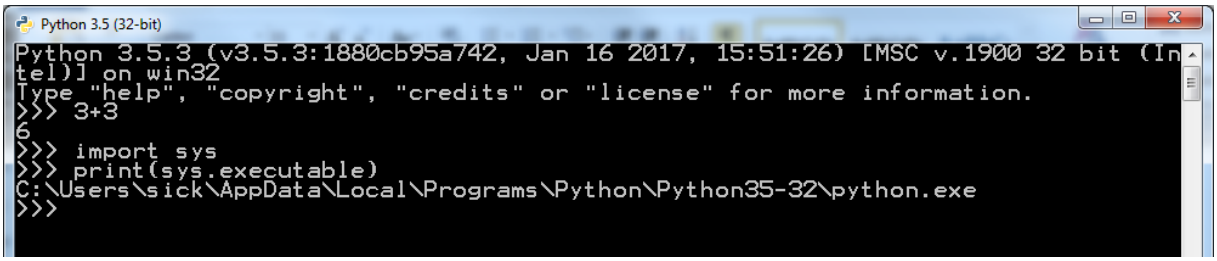
Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		6192f0e45f02575590760e68c621a488	20656090	SIG
XZ compressed source tarball	Source release		57d1f8bfbabf4f2500273fb0706e6f21	15213396	SIG
Mac OS X 32-bit i386/PPC installer	Mac OS X	for Mac OS X 10.5 and later	4994f588ebad17c4bf12148729b430d5	26385455	SIG
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	6f9ee2ad1fceb1a7c66c9ec565e57102	24751146	SIG
Windows help file	Windows		91600322a55cff692dd7fbcb2fb0d841	7794982	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64, not Itanium processors	1264131c4c2f3f935f34c455bceedee1	6913264	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64, not Itanium processors	333d536b5f76f95a6118fb2ecd623351	30261960	SIG
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64, not Itanium processors	b6be1ce6e69ac7dcdfb3316c91bebd95	974352	SIG
Windows x86 embeddable zip file	Windows		7dbd6043bd041ed3db738ad90b6d697f	6087892	SIG
Windows x86 executable installer	Windows		2f5c4eed044a49f507ac64ad6f6abf80	29347880	SIG
Windows x86 web-based installer	Windows		80c2aff5d76767a5a566da01d72744b7	948992	SIG

Execute the downloaded python3.5 installer: python-3.5.3.exe

Verify that python3.5 is installed correctly and close it again





To add more paths type the commands in the python-widows:

```
import sys
sys.path.append("/home/me/mypy")
```

Or:

```
sys.path.insert(0, MORE_PATH)
```

```
sys.path.insert(0, 'C:\\Users\\sick\\AppData\\Local\\Programs\\Python\\Python35\\lib\\site-packages')
```

Close the python terminal.

b) Install Tensorflow and jupyter notebook

Follow the installation guide for tensorflow on Windows (for helpful details see below in this document):

https://www.tensorflow.org/install/install_windows

Installing with native pip

If the following version of Python is not installed on your machine, install it now:

- Python 3.5.x from python.org

TensorFlow only supports version 3.5.x of Python on Windows. Note that Python 3.5.x comes with the pip3 package manager, which is the program you'll use to install TensorFlow.

To install TensorFlow, start a terminal. Then issue the appropriate `pip3 install` command in that terminal. To install the CPU-only version of TensorFlow, enter the following command:

```
C:\> pip3 install --upgrade tensorflow
```

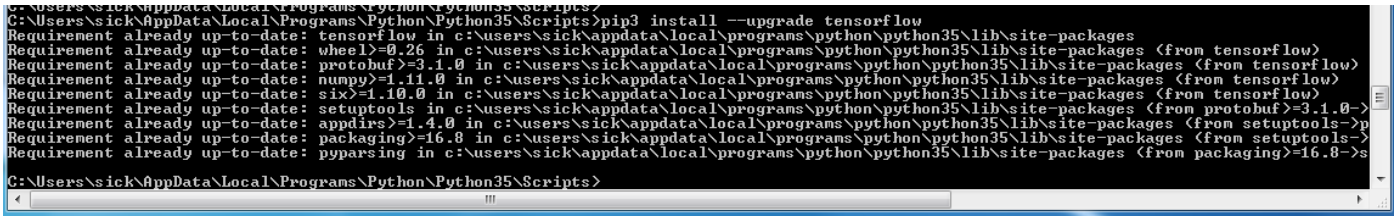
To be able to run the pip3 command we need to open a cmd-Terminal of Windows (Windows Start Button – type cmd) and change to the directory where phyton3 Scripts is located (to find the location of python scripts see above python session screenshot in section a) install python 3.5. Also in a german Windows with german names of directories in the file browser these path appear to be in English and should be verified in a python session as shown above).

```
cd C:\Users\Sick\AppData\Local\Programs\Python\Python35\Scripts
```

now you can install tensorflow with the following command:

```
pip3 install --upgrade tensorflow
```

(also other python modules can be installed by using the pip3 command in the cmd-terminal)



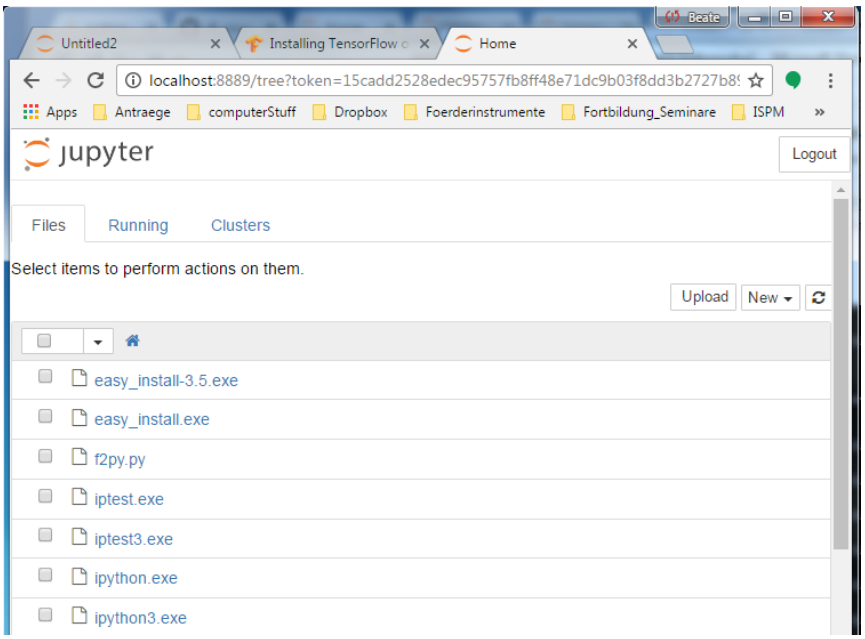
now we need to install juypter notebook and some extensions with the following commands:

```
pip3 install juypter
pip3 install ipywidgets
jupyter nbextension enable --py widgetsnbextension
```

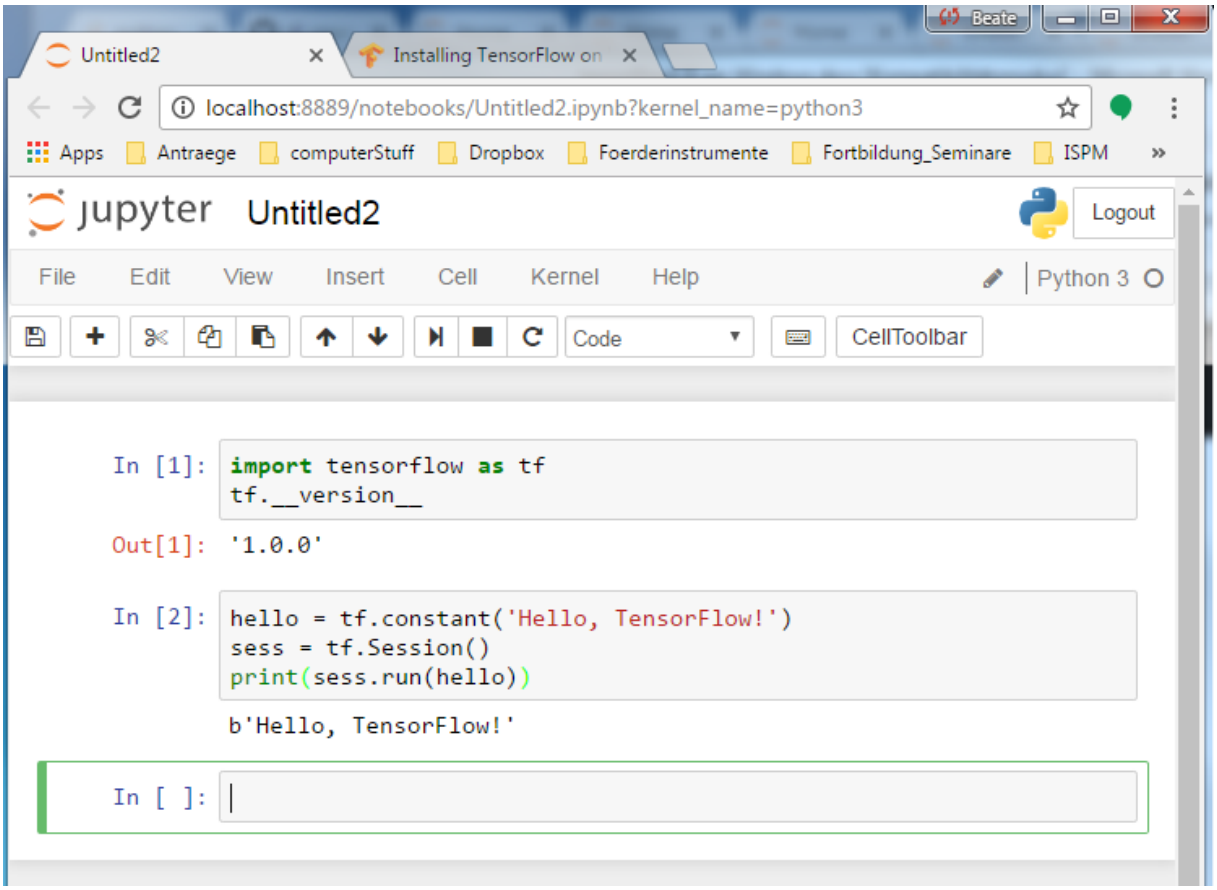
After the jupyter installation, you can run a notebook by typing the following command in the cmd window:

```
juypter notebook
```

a webbrowser opens automatically and you can open a new notebook via menu point “New” -> Python 3



test if you really have tf v 1.0.0 with:

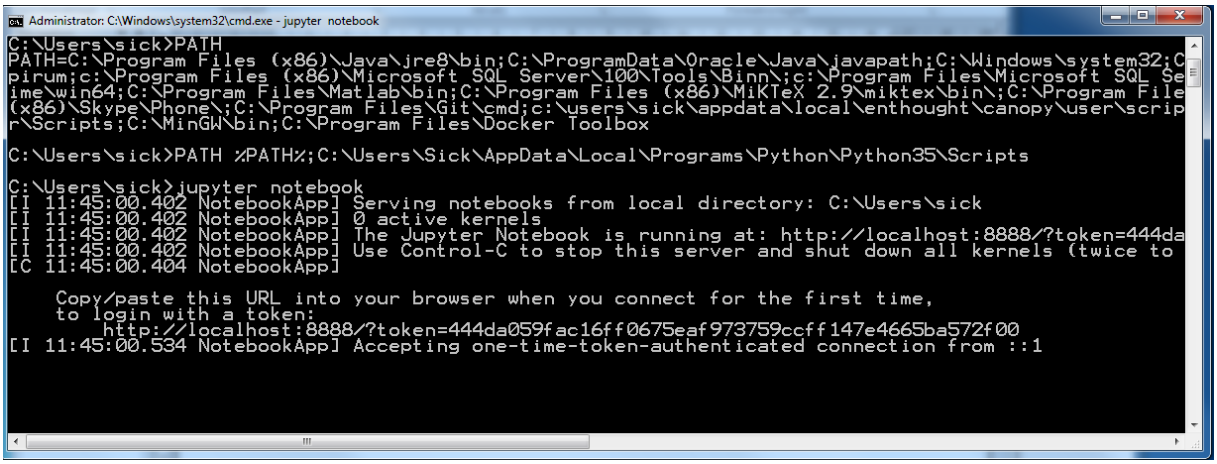


(Use menu point „insert“ to insert a new cell in notebook, run the cell with the menu point “cell” -> run cell or with the key combination “shift enter”.

Add path to python 3.5-dirctory to PATH variable, so that you can call jupyter from any location:

Type command in cmd-terminal:

```
PATH %PATH%; C:\Users\Sick\AppData\Local\Programs\Python\Python35\Scripts
Jupyter notebook
```



Now a browser with jupyter opens in the directory from where you have called jypyter notbook.