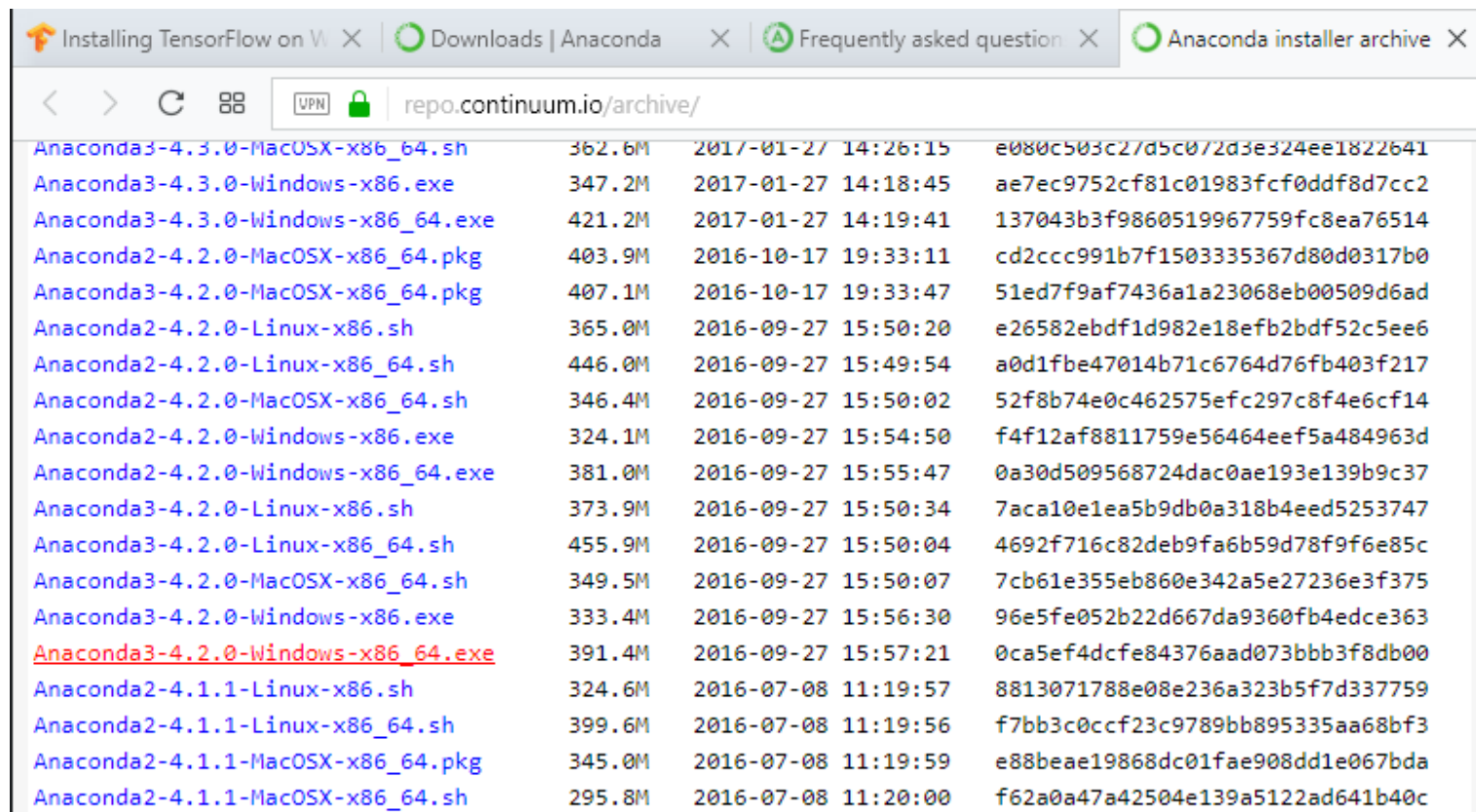


Getting ready

1. Download **Anaconda3-4.2.0-Windows-x86.exe** if you have 32-bit system or **Anaconda3-4.2.0-Windows-x86_64.exe** if you have 64-bit system from <https://repo.continuum.io/archive/>

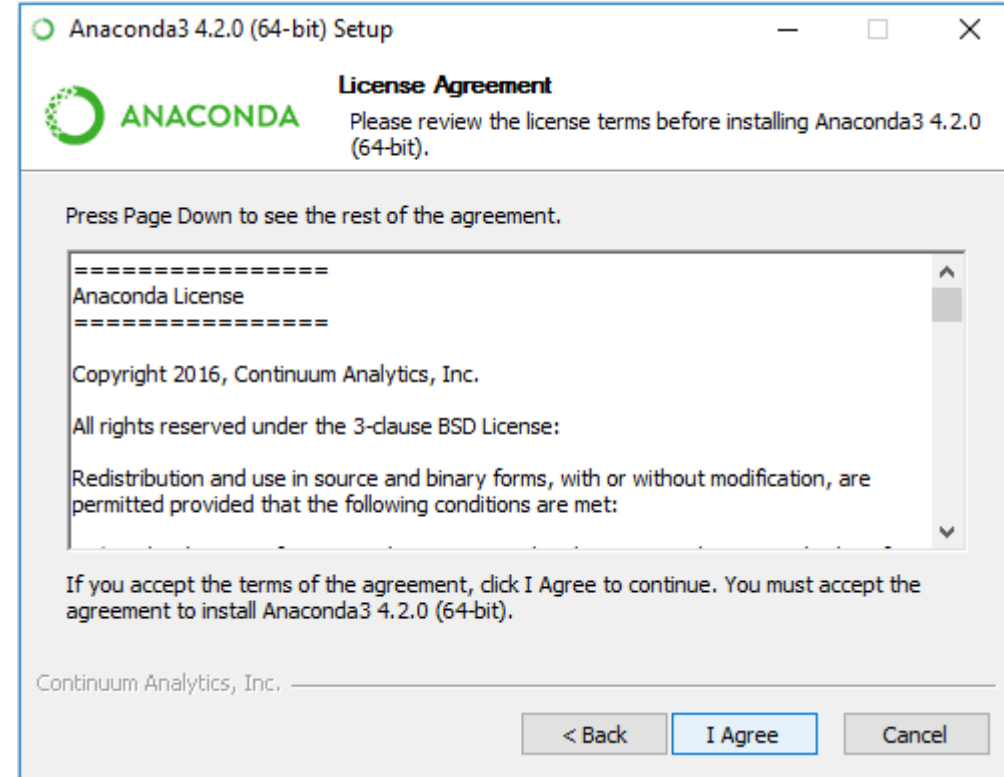


The screenshot shows a web browser window with the address bar displaying repo.continuum.io/archive/. The page contains a table of available Anaconda installers. The browser's tab bar shows several open tabs, including 'Installing TensorFlow on V...', 'Downloads | Anaconda', 'Frequently asked question', and 'Anaconda installer archive'. The table lists various Anaconda versions for different operating systems and architectures, including their file sizes, upload dates, and SHA256 hashes.

Anaconda3-4.3.0-MacOSX-x86_64.sh	362.6M	2017-01-27	14:26:15	e080c503c27d5c072d3e324ee1822641
Anaconda3-4.3.0-Windows-x86.exe	347.2M	2017-01-27	14:18:45	ae7ec9752cf81c01983fcf0ddf8d7cc2
Anaconda3-4.3.0-Windows-x86_64.exe	421.2M	2017-01-27	14:19:41	137043b3f9860519967759fc8ea76514
Anaconda2-4.2.0-MacOSX-x86_64.pkg	403.9M	2016-10-17	19:33:11	cd2ccc991b7f1503335367d80d0317b0
Anaconda3-4.2.0-MacOSX-x86_64.pkg	407.1M	2016-10-17	19:33:47	51ed7f9af7436a1a23068eb00509d6ad
Anaconda2-4.2.0-Linux-x86.sh	365.0M	2016-09-27	15:50:20	e26582ebdf1d982e18efb2bdf52c5ee6
Anaconda2-4.2.0-Linux-x86_64.sh	446.0M	2016-09-27	15:49:54	a0d1fbe47014b71c6764d76fb403f217
Anaconda2-4.2.0-MacOSX-x86_64.sh	346.4M	2016-09-27	15:50:02	52f8b74e0c462575efc297c8f4e6cf14
Anaconda2-4.2.0-Windows-x86.exe	324.1M	2016-09-27	15:54:50	f4f12af8811759e56464eef5a484963d
Anaconda2-4.2.0-Windows-x86_64.exe	381.0M	2016-09-27	15:55:47	0a30d509568724dac0ae193e139b9c37
Anaconda3-4.2.0-Linux-x86.sh	373.9M	2016-09-27	15:50:34	7aca10e1ea5b9db0a318b4eed5253747
Anaconda3-4.2.0-Linux-x86_64.sh	455.9M	2016-09-27	15:50:04	4692f716c82deb9fa6b59d78f9f6e85c
Anaconda3-4.2.0-MacOSX-x86_64.sh	349.5M	2016-09-27	15:50:07	7cb61e355eb860e342a5e27236e3f375
Anaconda3-4.2.0-Windows-x86.exe	333.4M	2016-09-27	15:56:30	96e5fe052b22d667da9360fb4edce363
Anaconda3-4.2.0-Windows-x86_64.exe	391.4M	2016-09-27	15:57:21	0ca5ef4dcfe84376aad073bbb3f8db00
Anaconda2-4.1.1-Linux-x86.sh	324.6M	2016-07-08	11:19:57	8813071788e08e236a323b5f7d337759
Anaconda2-4.1.1-Linux-x86_64.sh	399.6M	2016-07-08	11:19:56	f7bb3c0ccf23c9789bb895335aa68bf3
Anaconda2-4.1.1-MacOSX-x86_64.pkg	345.0M	2016-07-08	11:19:59	e88beae19868dc01fae908dd1e067bda
Anaconda2-4.1.1-MacOSX-x86_64.sh	295.8M	2016-07-08	11:20:00	f62a0a47a42504e139a5122ad641b40c

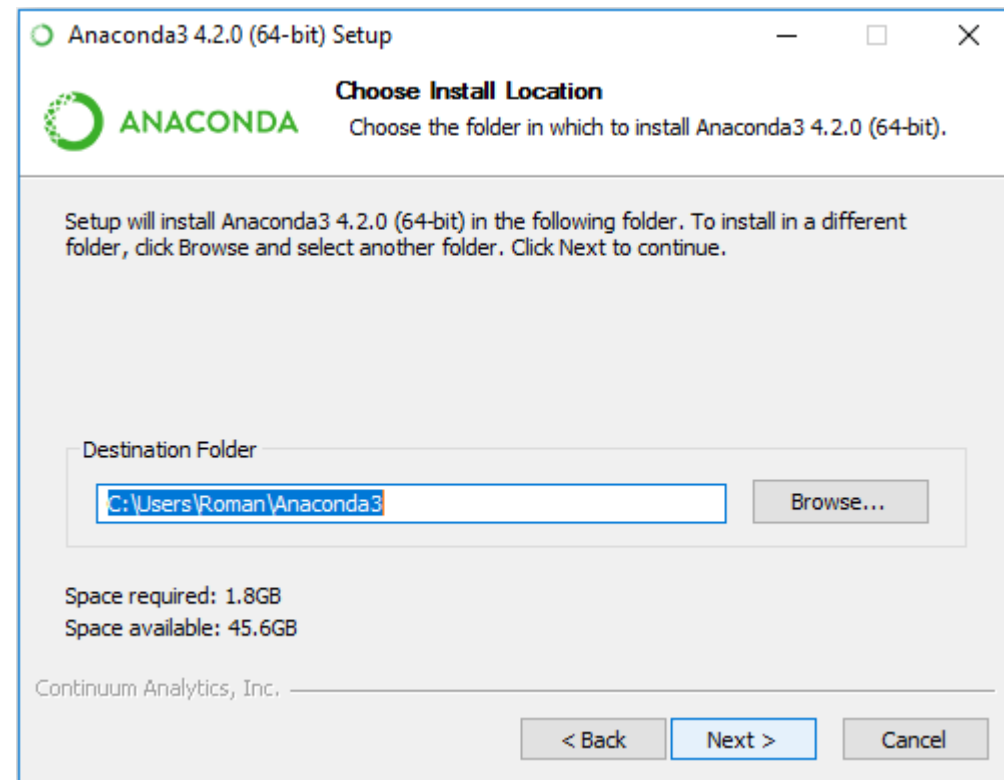
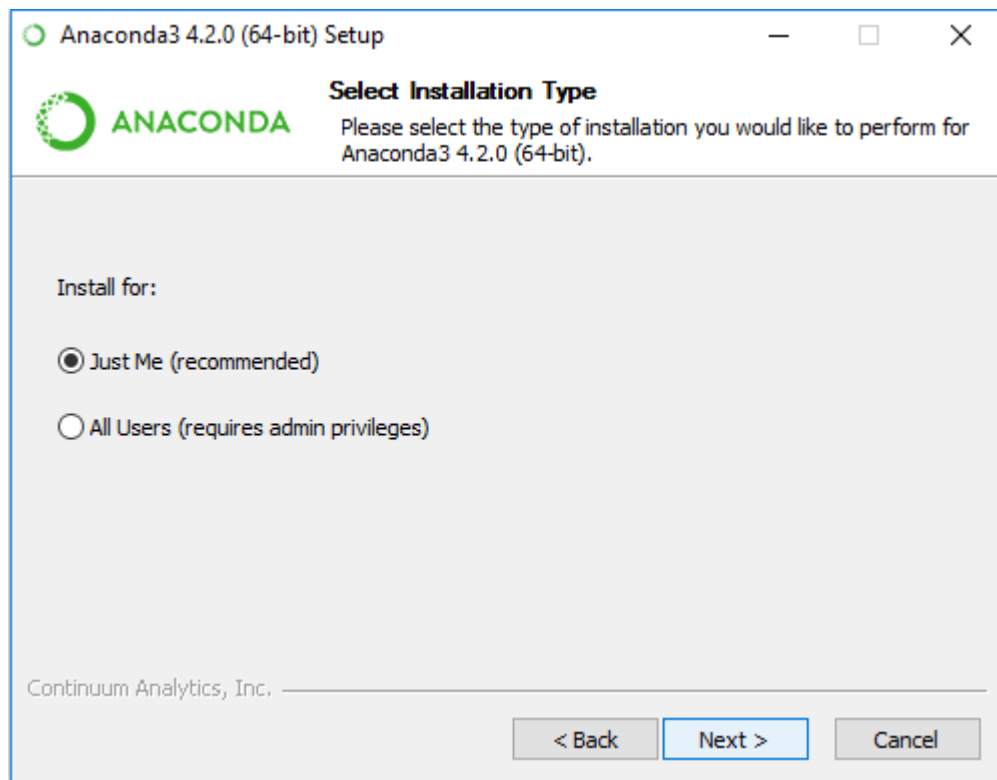
Installing Anaconda

2. After downloading .exe file follow instructions of Anaconda Setup as shown below:



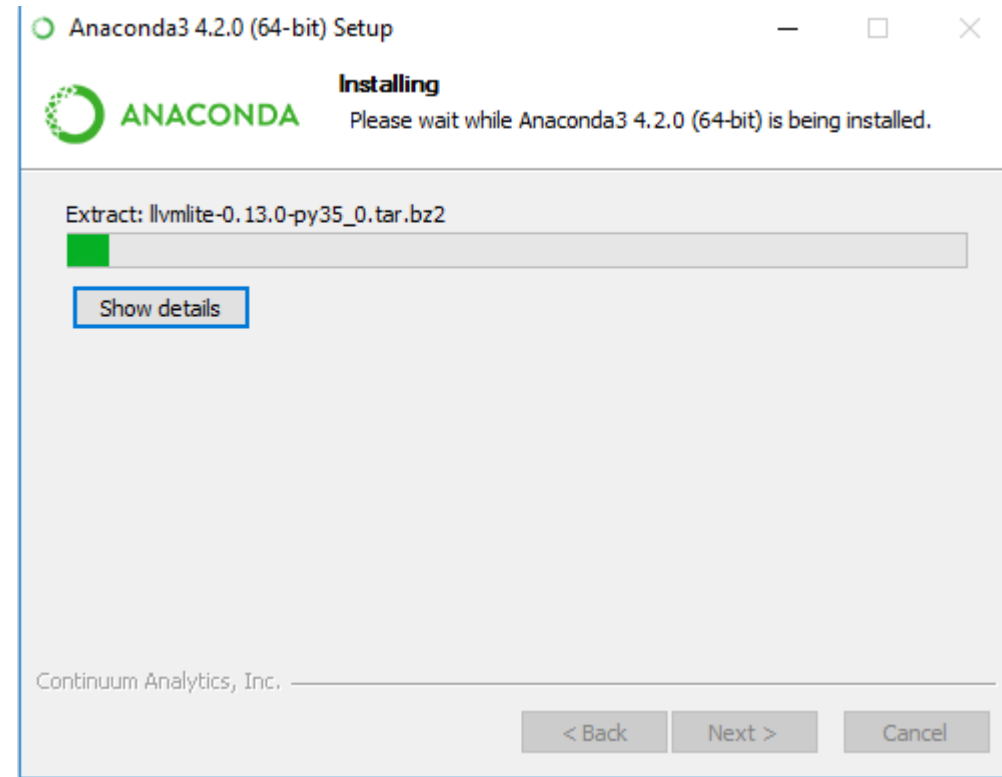
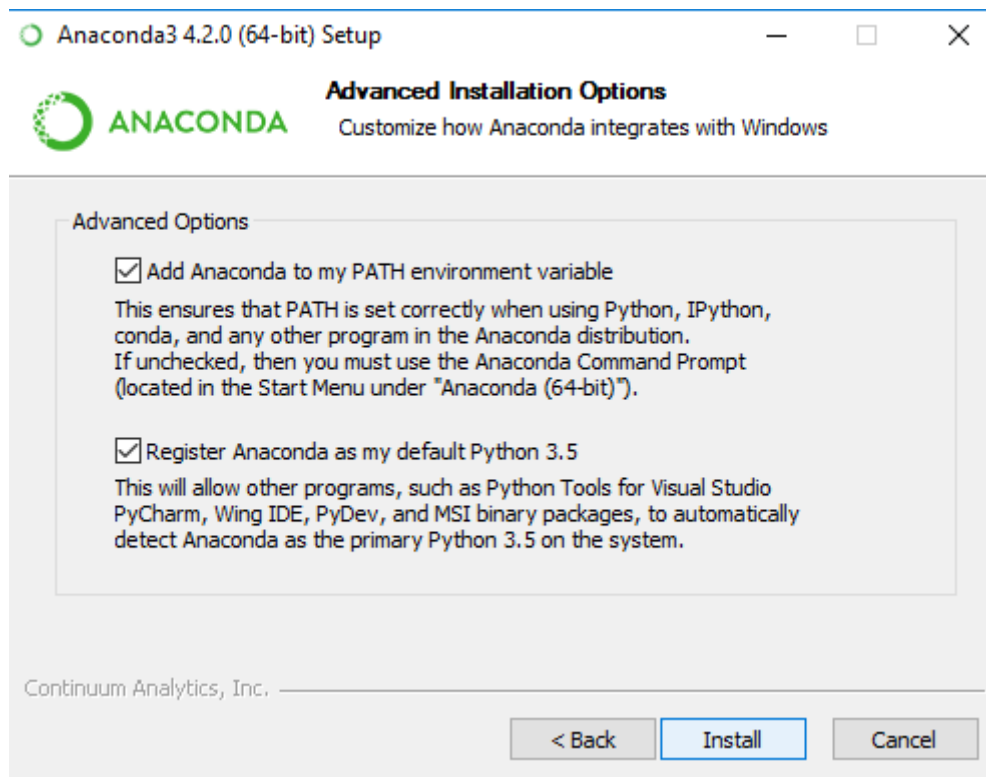
Installing Anaconda

3. Choose folder where Anaconda will be installed or just confirm typical user folder (don't forget where it is):



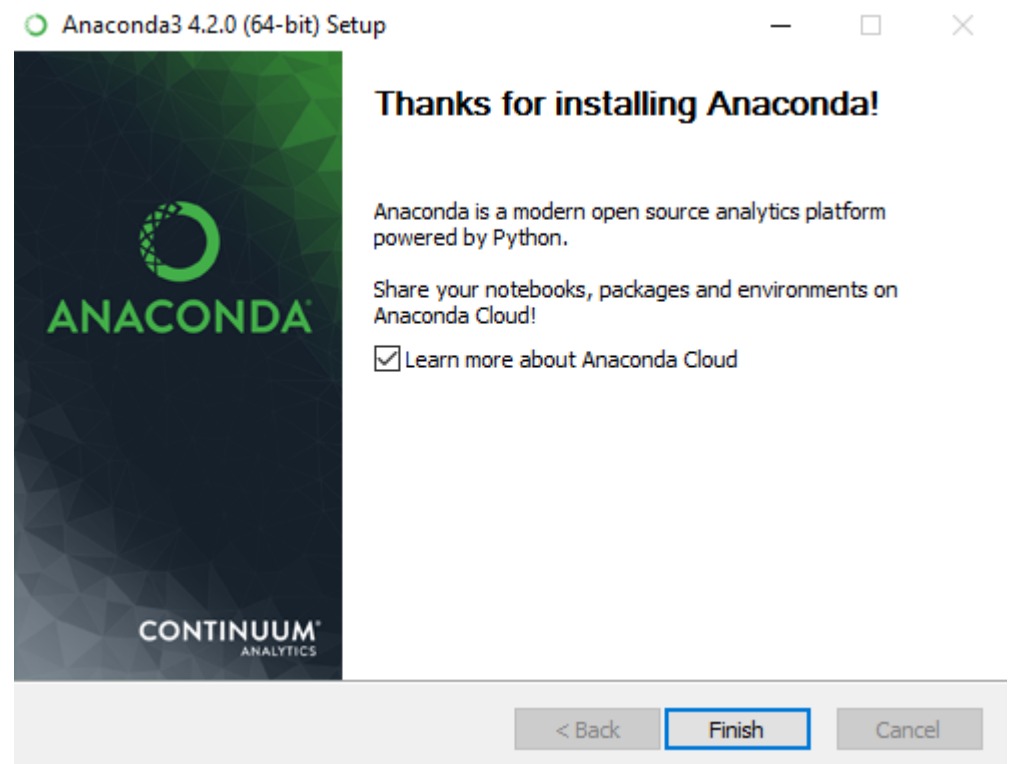
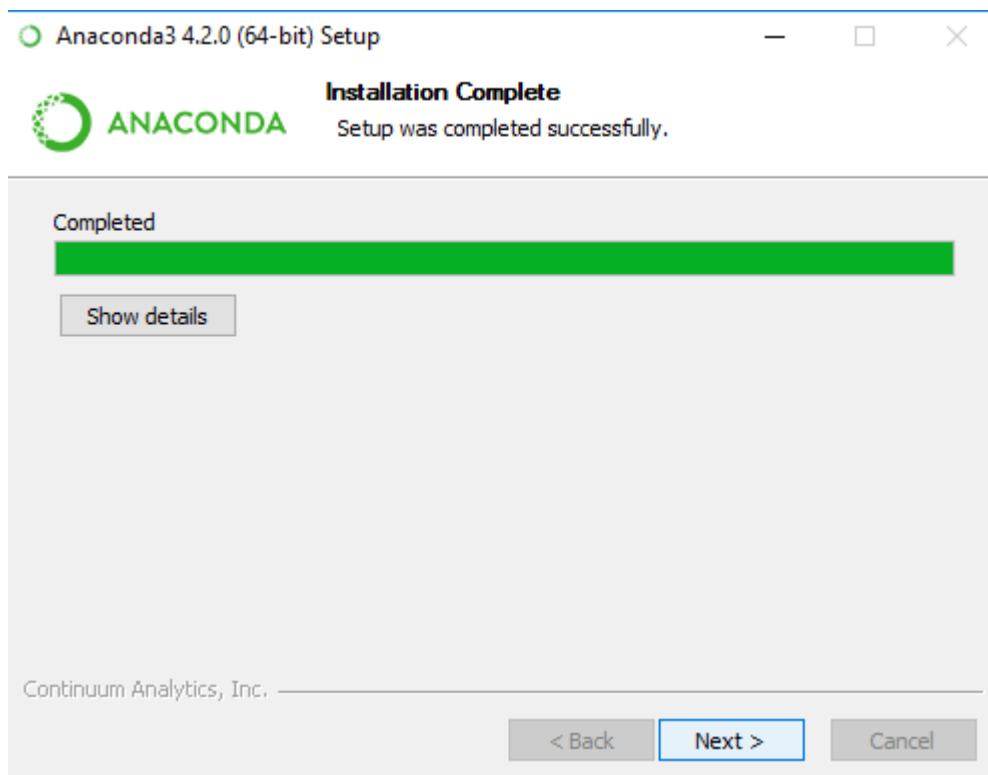
Installing Anaconda

4. Check that Setup window is the same as shown on the previous images and click «Install»

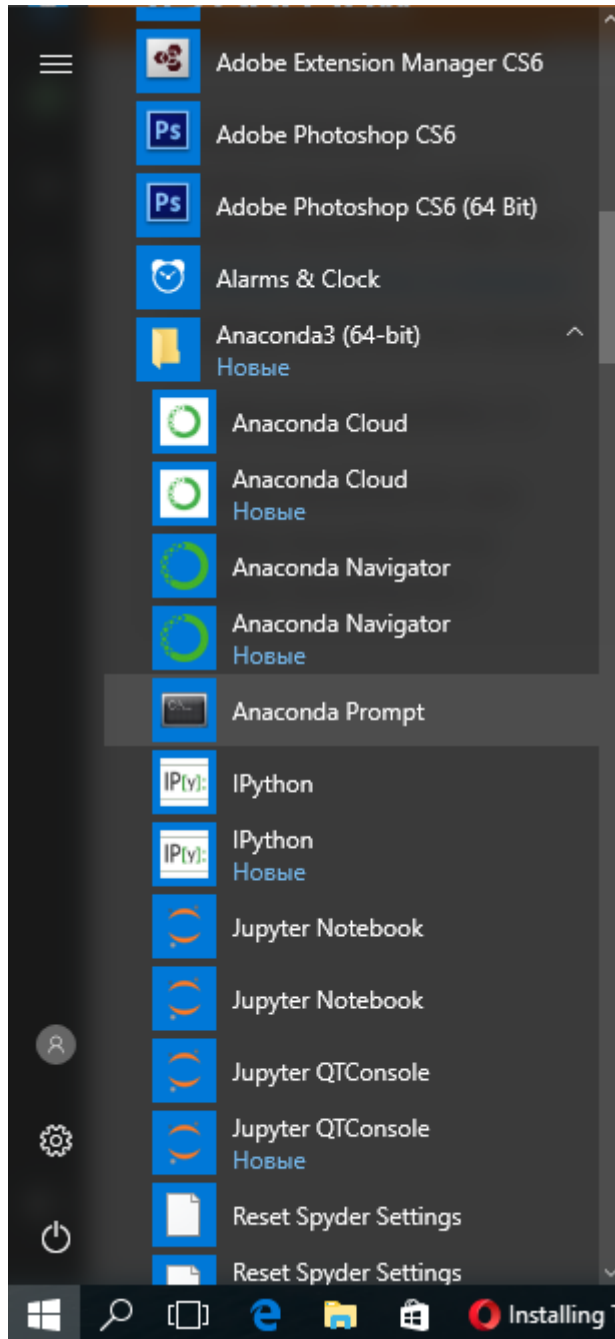


Installing Anaconda

5. Wait 7-10 minutes until installation is finished



Installing Tensorflow

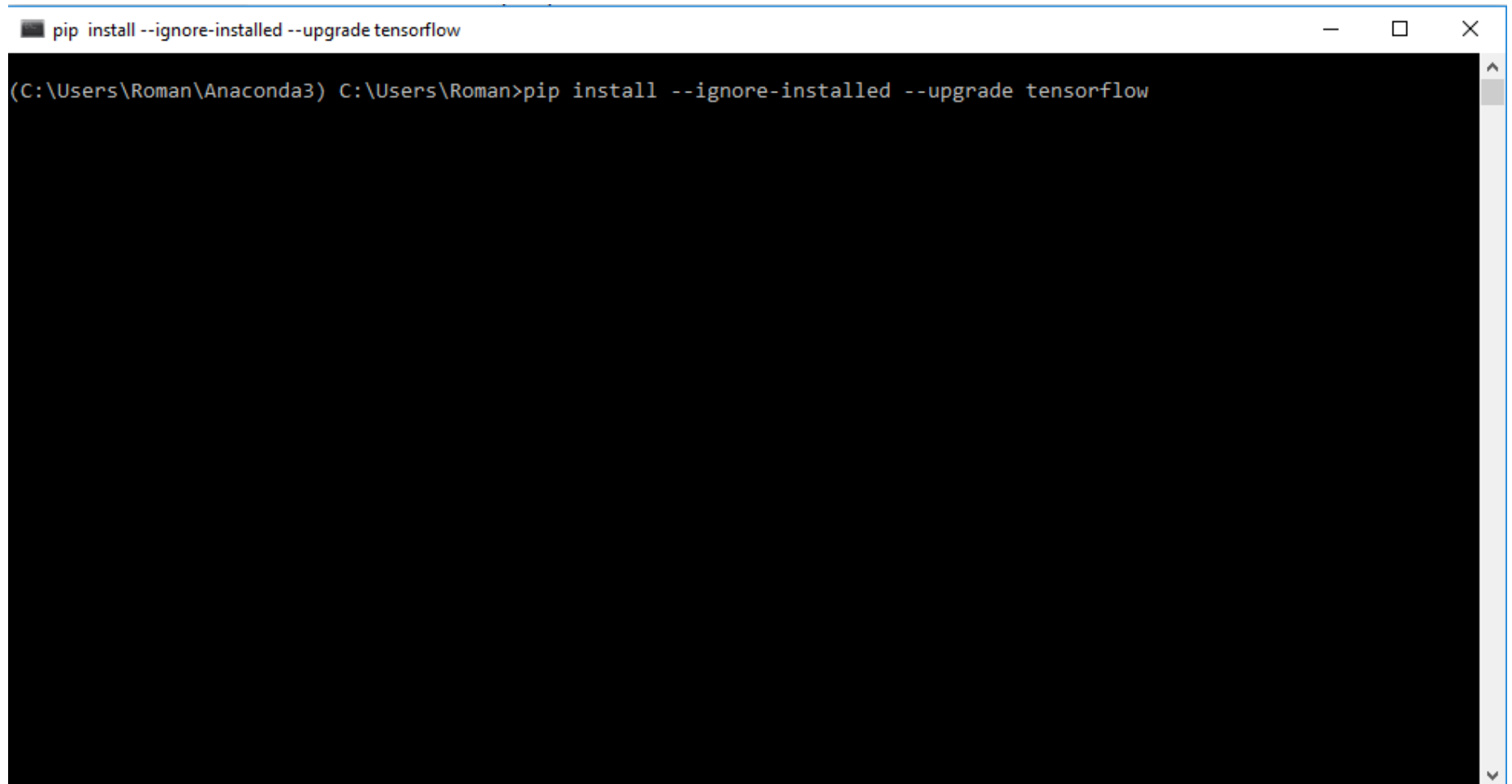


6. To proceed in lessons, we will need Python library **Tensorflow** which is not installed automatically with Anaconda. That is why you should open Windows Start Menu and run **Anaconda Prompt** from Anaconda3 folder.

Installing Tensorflow

7. After opening Anaconda Prompt write:

`pip install --ignore-installed --upgrade tensorflow`



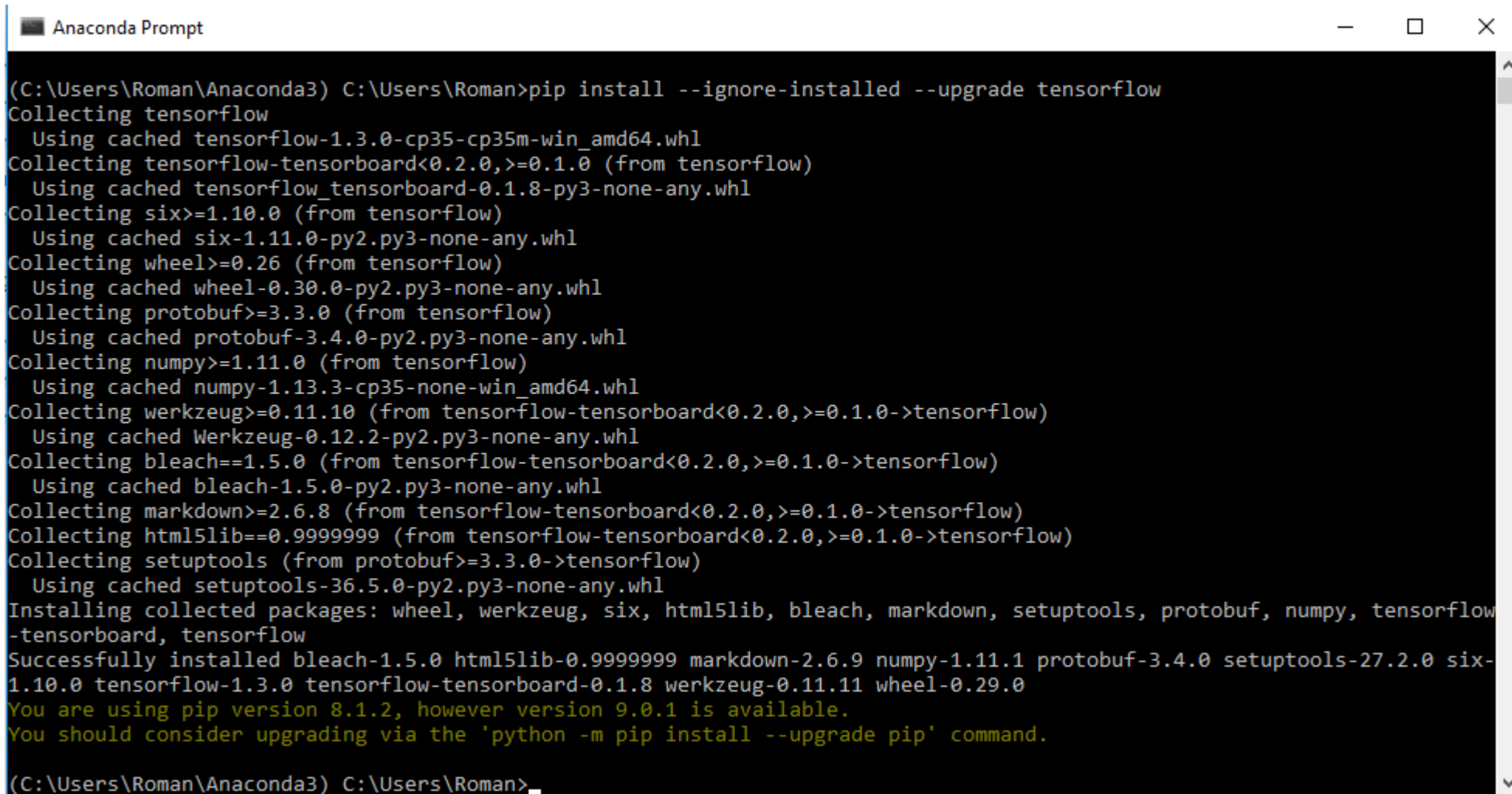
The screenshot shows a terminal window titled "pip install --ignore-installed --upgrade tensorflow". The command prompt is at the root of the Anaconda3 environment for user Roman, with the path "C:\Users\Roman\Anaconda3". The command entered is "pip install --ignore-installed --upgrade tensorflow". The terminal output is currently empty, indicating the installation process has not yet completed or the output is not visible in the current frame.

```
pip install --ignore-installed --upgrade tensorflow
```

```
(C:\Users\Roman\Anaconda3) C:\Users\Roman>pip install --ignore-installed --upgrade tensorflow
```

Installing Tensorflow

8. Wait 5-7 minutes and you will get approximately this screen:

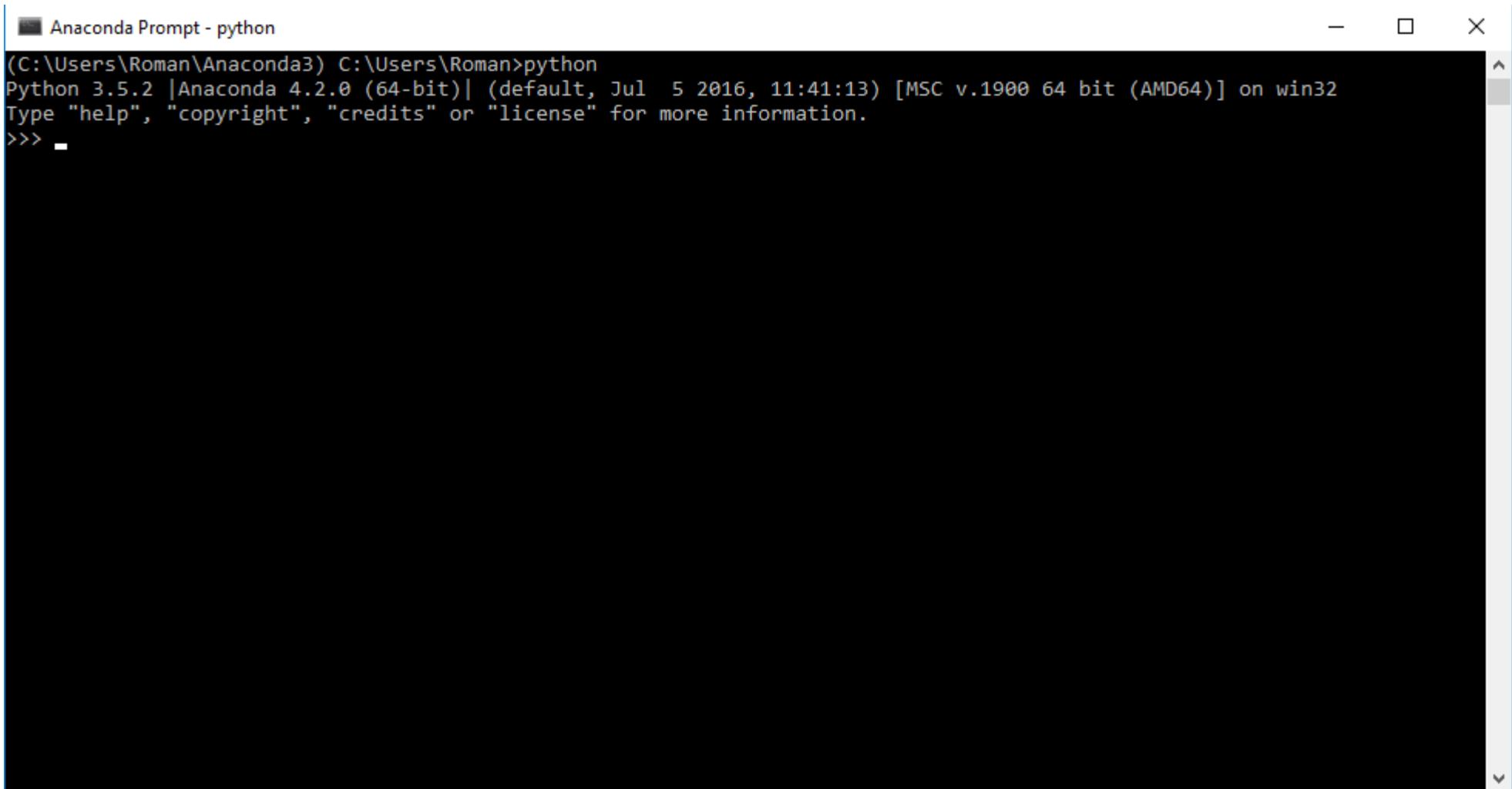


```
(C:\Users\Roman\Anaconda3) C:\Users\Roman>pip install --ignore-installed --upgrade tensorflow
Collecting tensorflow
  Using cached tensorflow-1.3.0-cp35-cp35m-win_amd64.whl
Collecting tensorflow-tensorboard<0.2.0,>=0.1.0 (from tensorflow)
  Using cached tensorflow_tensorboard-0.1.8-py3-none-any.whl
Collecting six>=1.10.0 (from tensorflow)
  Using cached six-1.11.0-py2.py3-none-any.whl
Collecting wheel>=0.26 (from tensorflow)
  Using cached wheel-0.30.0-py2.py3-none-any.whl
Collecting protobuf>=3.3.0 (from tensorflow)
  Using cached protobuf-3.4.0-py2.py3-none-any.whl
Collecting numpy>=1.11.0 (from tensorflow)
  Using cached numpy-1.13.3-cp35-none-win_amd64.whl
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
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 markdown>=2.6.8 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
Collecting html5lib==0.9999999 (from tensorflow-tensorboard<0.2.0,>=0.1.0->tensorflow)
Collecting setuptools (from protobuf>=3.3.0->tensorflow)
  Using cached setuptools-36.5.0-py2.py3-none-any.whl
Installing collected packages: wheel, werkzeug, six, html5lib, bleach, markdown, setuptools, protobuf, numpy, tensorflow-tensorboard, tensorflow
Successfully installed bleach-1.5.0 html5lib-0.9999999 markdown-2.6.9 numpy-1.11.1 protobuf-3.4.0 setuptools-27.2.0 six-1.10.0 tensorflow-1.3.0 tensorflow-tensorboard-0.1.8 werkzeug-0.11.11 wheel-0.29.0
You are using pip version 8.1.2, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(C:\Users\Roman\Anaconda3) C:\Users\Roman>
```


Testing Tensorflow

9. In order to test if Tensorflow was installed you can close old Anaconda Prompt and reopen new one. Then you can type «python» and get:

A screenshot of an Anaconda Prompt window titled "Anaconda Prompt - python". The window has standard Windows window controls (minimize, maximize, close) in the top right corner. The command prompt shows the following text:

```
(C:\Users\Roman\Anaconda3) C:\Users\Roman>python
Python 3.5.2 |Anaconda 4.2.0 (64-bit)| (default, Jul  5 2016, 11:41:13) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> _
```

Testing Tensorflow

10. Now you can follow instructions in the picture to get «Hello, Tensorflow!»

Installing TensorFlow on Ubuntu

Installing TensorFlow on Mac OS X

Installing TensorFlow on Windows

Installing TensorFlow from Sources

Transitioning to TensorFlow 1.0

Enter the following short program inside the python interactive shell:

```
>>> import tensorflow as tf
>>> hello = tf.constant('Hello, TensorFlow!')
>>> sess = tf.Session()
>>> print(sess.run(hello))
```

Anaconda Prompt - python

(C:\Users\Roman\Anaconda3) C:\Users\Roman>python
Python 3.5.2 [Anaconda 4.2.0 (64-bit)] (default, Jul 5 2016, 11:41:13) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow as tf
>>> hello=tf.constant('Hello, TensorFlow!')
>>> sess=tf.Session()
2017-10-08 14:42:39.434346: W C:\tf_jenkins\home\workspace\rel-win\M\windows\PY\35\tensorflow\core\platform\cpu_feature_guard.cc:45] The TensorFlow library wasn't compiled to use AVX instructions, but these are available on your machine and could speed up CPU computations.
2017-10-08 14:42:39.434502: W C:\tf_jenkins\home\workspace\rel-win\M\windows\PY\35\tensorflow\core\platform\cpu_feature_guard.cc:45] The TensorFlow library wasn't compiled to use AVX2 instructions, but these are available on your machine and could speed up CPU computations.
>>> print(sess.run(hello))
b'Hello, TensorFlow!'
>>> _