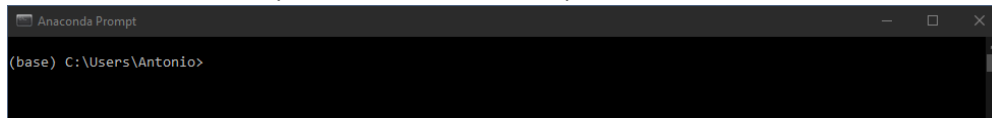
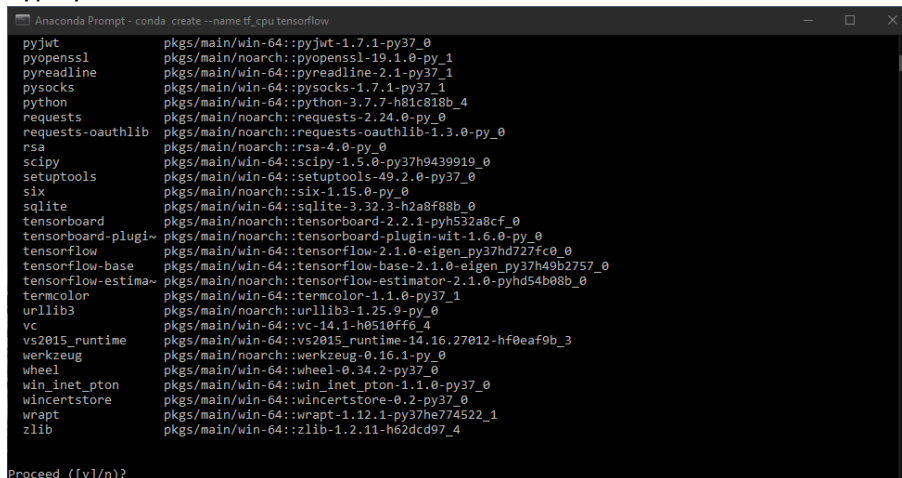


Installing python and tensorflow

1. Go to <https://www.anaconda.com/products/individual> and install the latest version of anaconda. If anaconda is already installed, you can skip this step.
 - a. Tensorflow can be installed without anaconda, but the installation is a lot more complicated (especially if using the gpu) and will not be covered in this document. Antonio highly recommends using anaconda, but if you want to install it the old-fashioned way, you can find instructions online
2. After the installation open the Anaconda Prompt. It should look like this:



3. If your computer has a NVIDIA video card, type into the prompt:
 - a. `conda create --name tf_gpu tensorflow-gpu seaborn pandas scikit-learn`
4. If your computer does **NOT** have an NVIDIA video card, type:
 - a. `conda create --name tf_cpu tensorflow seaborn pandas scikit-learn`
5. Type y when asked



6. Type:
 - a. If video card: `conda activate tf_gpu`
 - b. If no video card: `conda activate tf_cpu`
7. To test installation type:
 - a. `Python`
 - b. In the python console type:

```
import tensorflow as tf
tf.reduce_sum(tf.range(1000))
```

The following should be printed in the console:

```
<tf.Tensor: shape=(), dtype=int32, numpy=499500>
```

If the code runs without error, tensorflow is installed correctly. If errors are shown, repeat steps 3-7.