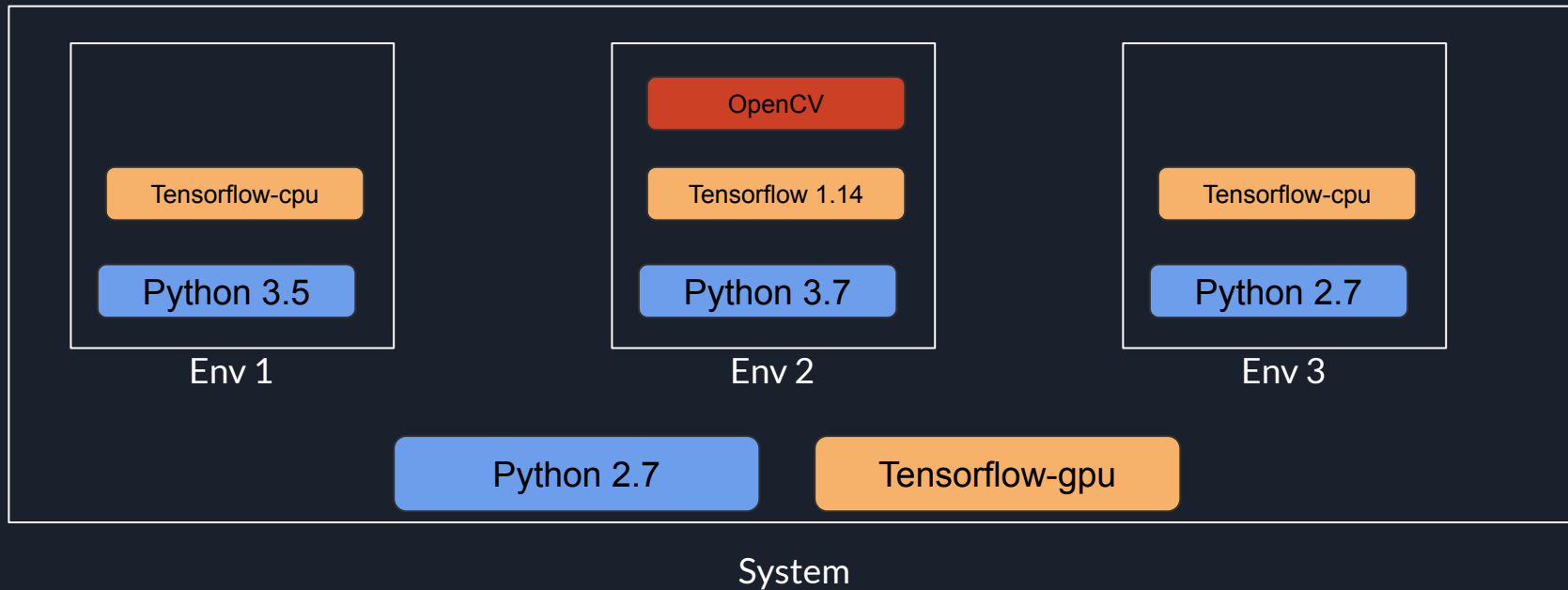# Introduction to Machine Learning and Tensorflow Part 2

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Creative Coding Lab

Setting up Anaconda

Anaconda is a python distribution with a virtual environment manager

Setting up Anaconda

Download and install Anaconda:

https://www.anaconda.com/download/

 On Windows, open anaconda prompt

On Mac/Linux, open terminal

Type *conda* and press enter to verify

Setting up the environment

To create a new environment

Type *conda create -n "name of the environment" python="version"*

For eg: *conda create -n project1 python=3.5*

conda create -n project2 python=2.7

To delete an environment

Type *conda env remove -n "name of the environment"*

Setting up the environment

To activate an environment

Type *conda activate "name of the environment"*

For eg: *conda activate project1*

To deactivate

Type *conda deactivate*

Install Tensorflow using pip

pip - Package manager for python packages

Current release for CPU-only

   pip install tensorflow

GPU package for CUDA-enabled GPU cards

   pip install tensorflow-gpu

* There is *no* GPU support for macOS.

Verify Tensorflow
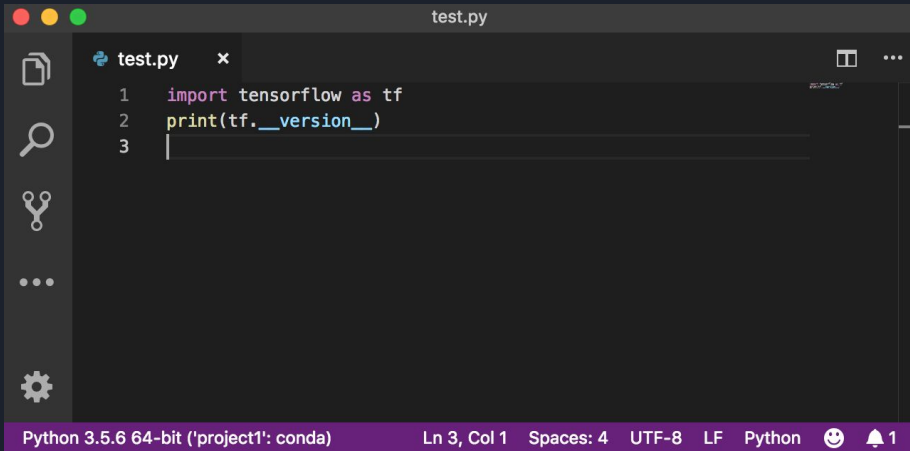
Open python console

Type *python*

>>>

Import tensorflow

>>> *import tensorflow as tf*

Verify tensorflow version

>>> print(tf.__version__)

2.1.0

Running python code

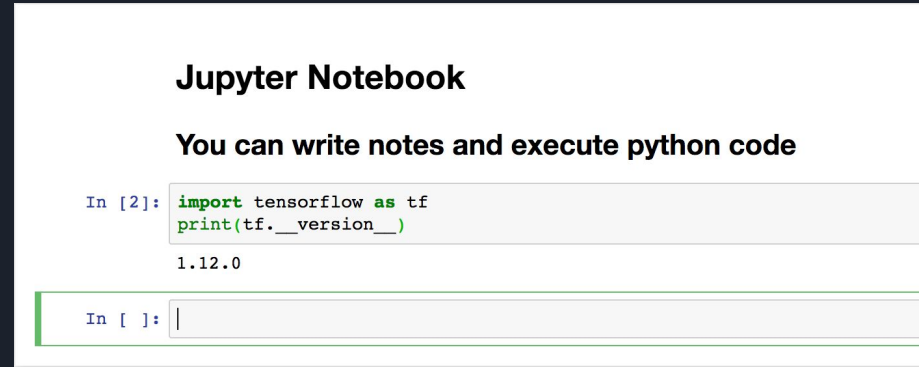

Code Editor

Jupyter Notebook

Setting up Jupyter

Install ipython and jupyter in our environment

conda install -n project1 ipython jupyter

Run jupyter notebook

jupyter notebook