实作-1 Lab 1

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Environment Preparation

- ▶ 下载并安装Python开发环境(Download and install the Python environment):
 - https://www.python.org/downloads/
 - ▶ 请安装3.7版本 (please install version 3.7)
- ▶ 安装TensorFlow 1.x库(Download and install the tensorflow library)
 - ▶ 打开命令行窗口(cmd.ext), 键入如右命令: pip install tensorflow==1.15
 - ▶ 关于pip的使用技巧(Tips about pip)
 - ▶ 安装模块 (install modules): pip install module_name
 - ▶ 安装特定版本模块 (install modules of specific version): pip install module_name==version
 - ▶ 查看已安装模块 (inspect already installed modules): pip list
 - ▶ 卸载模块 (uninstall modules): pip uninstall module_name

Environment Preparation

- ▶ 安装sonnet库(Download and install the sonnet library)
 - pip install dm-sonnet
- ▶ 验证TensorFlow是否安装成功

打开命令行窗口(cmd.ext),以交互方式执行python程序(键入python后按回车键)

>>> import tensorflow as tf

>>> hello = tf.constant("Hello TensorFlow!")

>>> sess = tf.Session()

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

如果安装成功,则会成功打印: b'Hello TensorFlow!'

Environment Preparation

- ▶ 验证TensorBoard及Sonnet是否安装成功
 - 1. 在C盘或D盘根目录下新建文件夹, 重命名为tensorboard
 - 2. 桌面或任意目录新建txt文件, 重命名为tb-test.py
 - 3. 键入以下内容:

Environment Preparation

- ▶ 验证TensorBoard及Sonnet是否安装成功
 - 4. 执行tb-test.py, C:\Users\MSUser>python C:\Users\MSUser\Desktop\tb-test.py
 - 5. 验证TensorBoard是否有输出:
 - a. 执行命令,如C:\Users\MSUser>tensorboard --logdir=D:\\tensorboard --port=8008
 - b. 打开浏览器,如chrome,键入网址: http://localhost:8008/
 - c. 如果安装成功,可以看到如下图所示: \leftarrow \rightarrow \circ (1) localhost:8008/#graphs&run=.

