Tensorflow and Keras 安装

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1. **Python环境**

anaconda

1. **集成tensorflow**

pip install --upgrade tensorflow

1. **集成keras**

pip install keras -U –pre

$HOME/.keras/keras.json

{

"image\_data\_format": "channels\_last",

"epsilon": 1e-07,

"floatx": "float32",

"backend": "tensorflow"

}

1. **Ide开发工具集成Python**

**4.1安装**

**启动IDE**

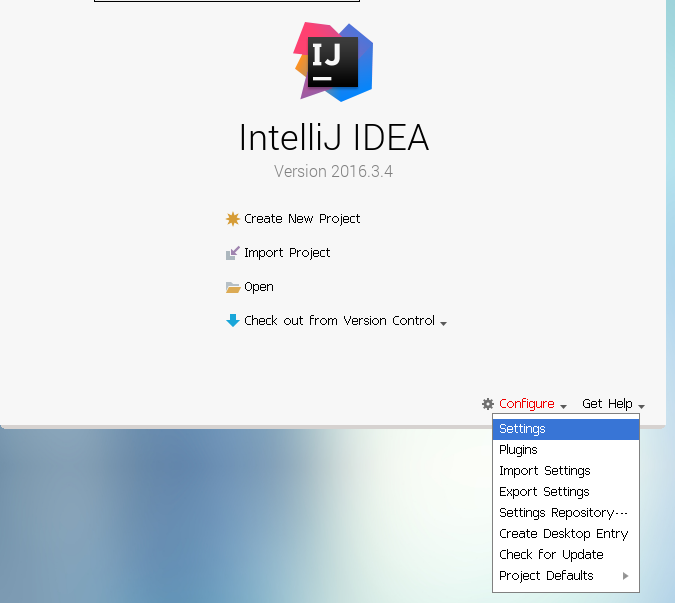


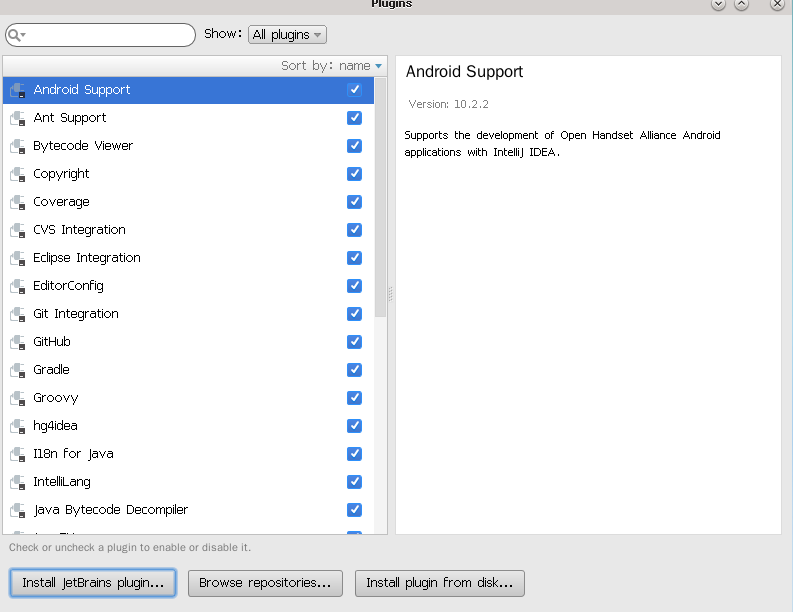
**配置IDE集成环境python**

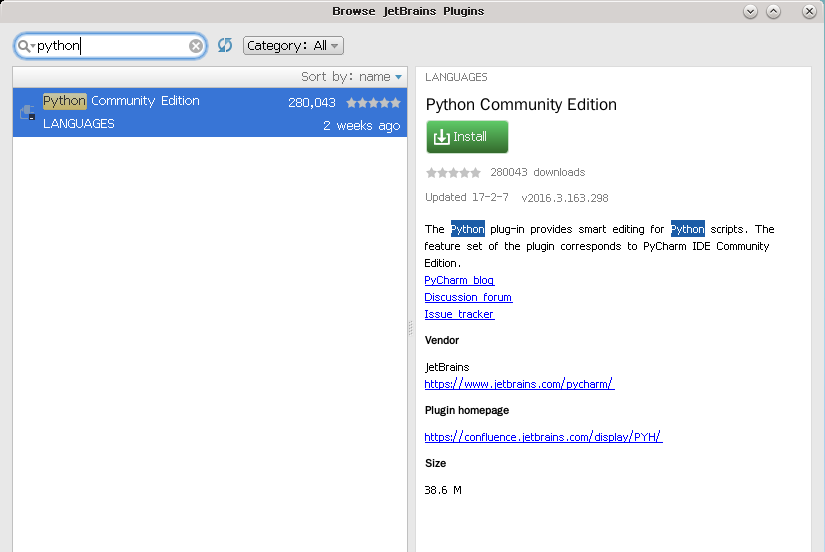
第一次启动后

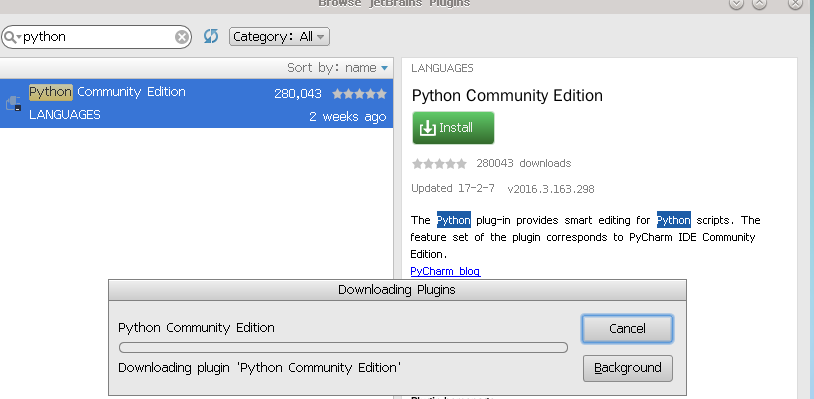
点击**[setting]**-**[installjetbrains plugin]**

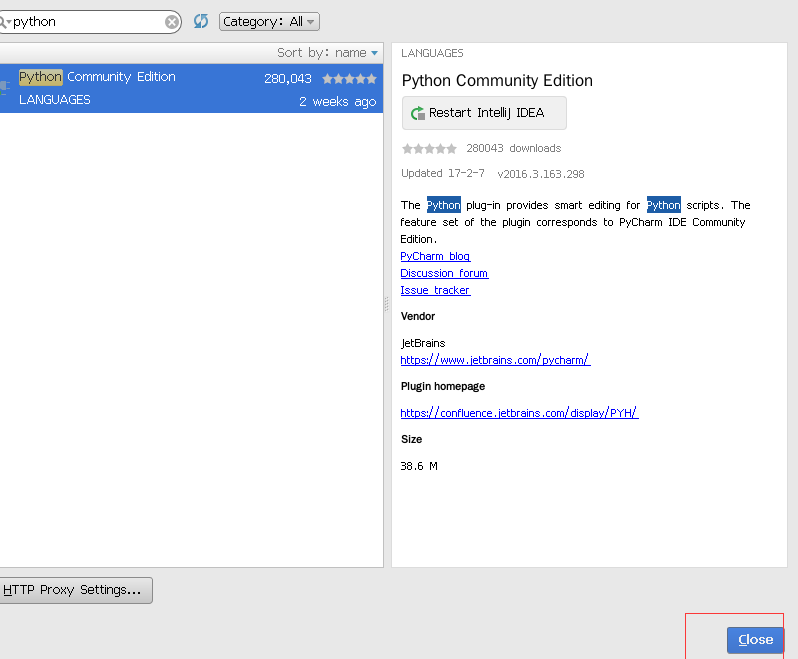
-**搜索python**-**[install]**-**[close]**-**重启idea**，之后再次启动不用做这一步配置，具体操作如下图所示：





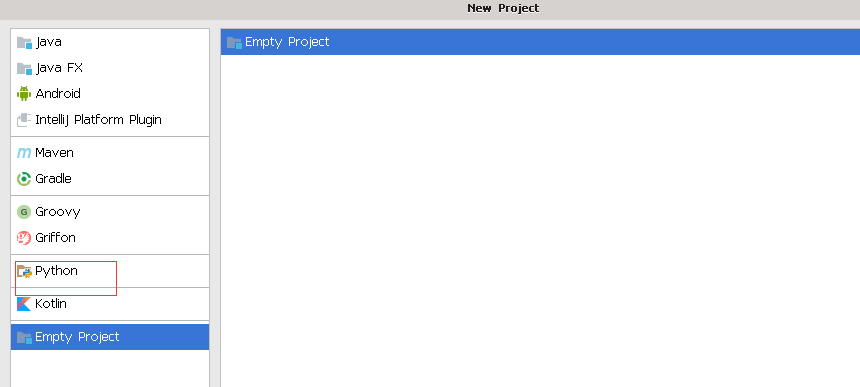


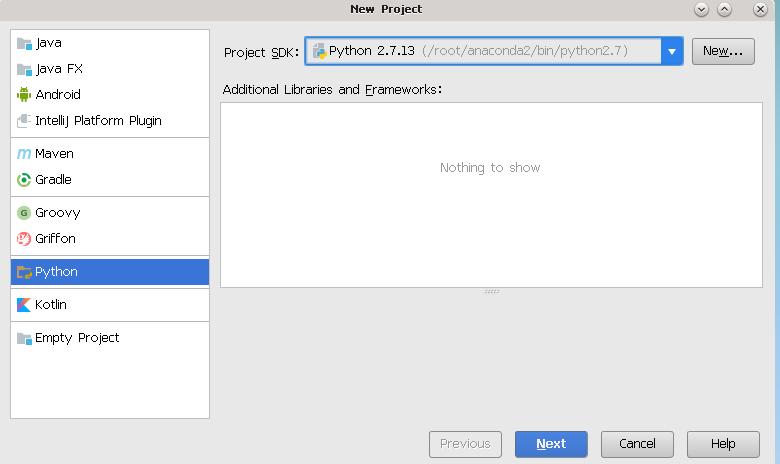


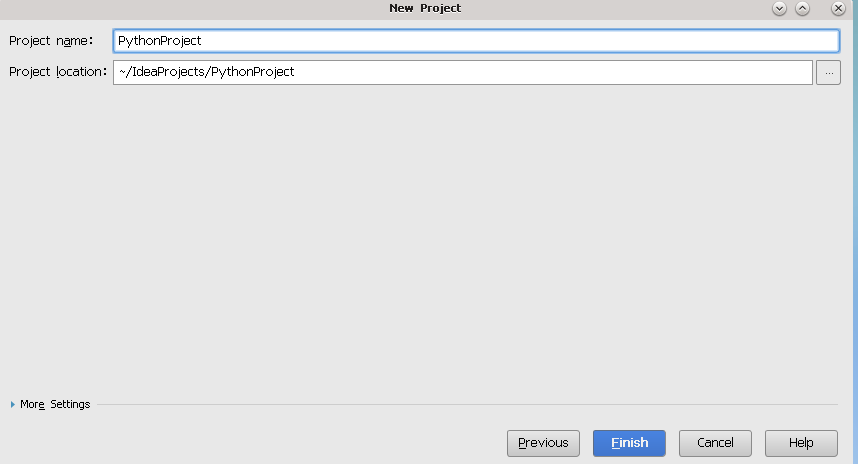


**创建python新项目**





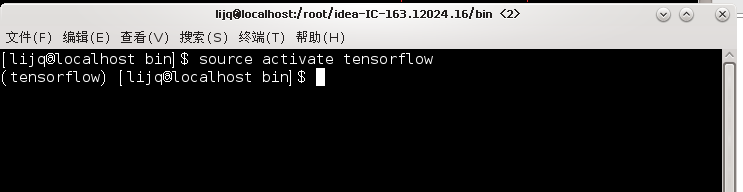




**4.2 tensorflow实例**

**使用前先打开tensorflow计算环境**

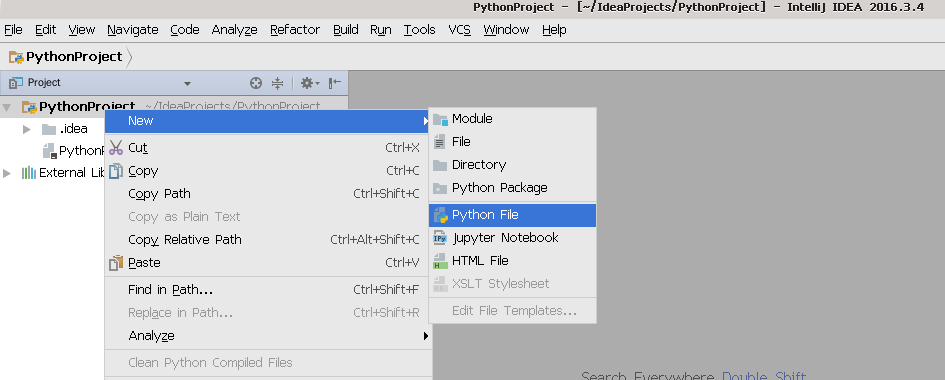
source activate tensorflow

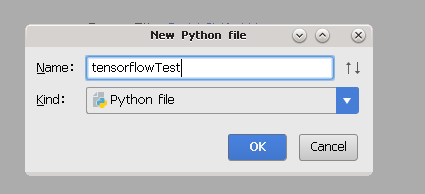


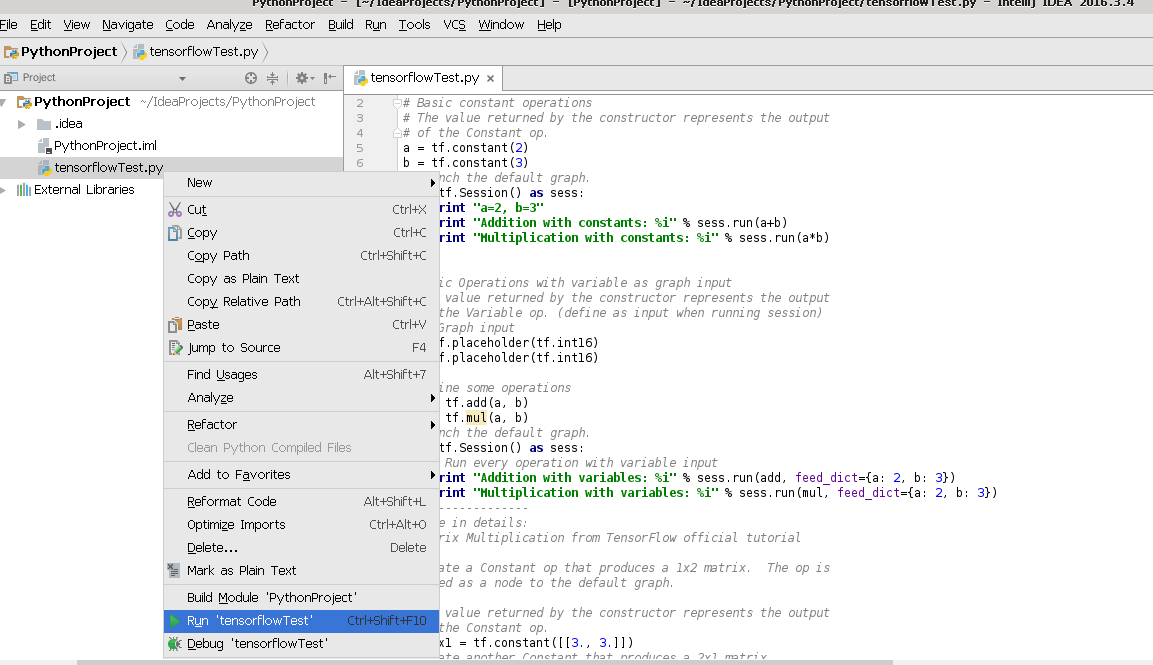
退出环境source deactivate

**新建python 文件**

右键[**新建**]-[**python file**]-[**ok**]







**运行tensorflow实例文件**

右键[run]后运算过程和结果情况会在下面控制台打印出来

