There are two dependency modules need to be installed.

1. xlrd # to read excel files

2. mysql-connector-python # to work with Mysql

这两个是Python的模块（或者叫库，包），安装了Python之后，还要安装这两个Python模块，Python之所以用起来方便，就是因为有很多这样的模块，例如用于科学计算的numpy之类的。

（1）xlrd是用来读取Excel文件的模块；

下载地址：<https://pypi.python.org/pypi/xlrd>

解压之后，在命令行中切换到解压目录，执行安装命令

python setup.py install

（2）mysql-connector-python是用来操作mysql数据库的模块。

下载地址：<http://cdn.mysql.com/Downloads/Connector-Python/mysql-connector-python-2.0.4.zip#md5=3df394d89300db95163f17c843ef49df>

安装方法，与xlrd相同。

Directory Structure:

data\_path: test files

ImportDataProgram.py: the main program

Procedure:

(1) Get all the paths and names of the files need to be stored

(2) Connect MySQL

(3) Create tables for each file

(4) Insert data into each table

Usage:

0. create a new database in mysql

For example, after logging in mysql in terminal, you can use the the following command "create database test\_database" to create a database named 'test\_database', you can replace "test\_database" with any other names you like.

1. set username, password, database(created in step 0) and datapath in the tail of ImportDataProgram.py

2. run ImportDataProgram.py with the following command

python ImportDataProgram.py [username] [password] [database] [datapath]

# username: your username in your mysql

# password: the corresponding password

# database: the database you specific

# datapath: the directory of excel files

e.g.

python ImportDataProgram.py root root test\_database data\_path

PS:

(1) The Length of Data In Table

I am not sure the maximum length of data, so I set the length of data in mysql tables is 150 characters (you can find the code in function storeData(file\_path, table\_name, cursor), the code is " sql = sql + col\_names[i] + ' varchar(150)' "), you can adjust it according to your requirements.

(2)Table Name:

You can set the rules of table name, the code is following the comment code:

'''convert file name to mysql table name''' in function getFilesList(dir).