# ReadMe Universal Link

Requirements to use this translation software from ESDL to AIMMS:

1. mySQL Database connection
2. Python software
3. Pandas, download on https://pandas.pydata.org/
4. Pymsql, download on https://pypi.org/project/PyMySQL/
5. Pyesdl, download on <https://pypi.org/project/pyESDL/>
6. AIMSS software

The link includes to folders: a Python and a AIMMS folder.

Lets start with the python folder. In both: ‘Uniform ESDL-AIMMS link.py’ and Write\_TO\_ESDL.py, the following 5 variables should be changed according to user specifics.

* Filename = <<Your\_ESDL>>
* Outputfile =<<Your\_Output>>
* User = <<Your\_User>>
* PW = <<Your\_Password>>
* Host = <<Your\_Host>>

Then, open In de Aimms folder the project ‘TestFileSQLRead’ and then open the Mainproject folder. In this folder you see the ‘TestFileSQLRead.ams’-file. At the top of this file, the last three variables above should also be changed.

The steps to run the aims code would be:

1. Run: Uniform ESDL-AIMMS link.py
2. Run: Uni\_prReadInputFromSql
3. Convert the ESDL parameters to model-specific parameters.
4. Run: model.
5. Change ESDL parameters to liking.
6. Run: Uni\_prWriteOutputToSql
7. Run: Write\_TO\_ESDL.py