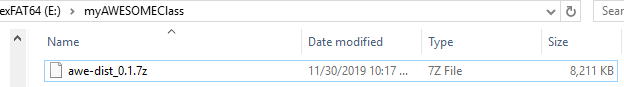
**AWESOME QR Code and Attendance Python scripts User Guide 20191206 PW**

Installation

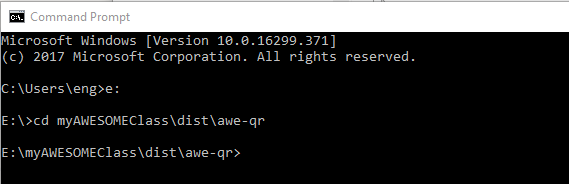
1. Download the pre-build Python executable dist zip file (ex. awe-dist\_x.y.7z).
2. Find a working folder to unzip the awe-dist\_x.y.7z file.
3. For python programmer, please see Appendix A to install modules, and run from python code.



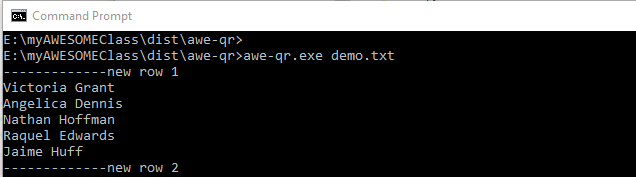
Using 7 zip, extract here to unzip the dist file. There are two subfolders, awe-qr (QR code generator) and awe-att (attendance update tool).

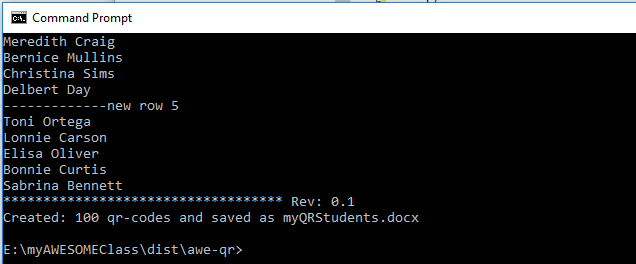


QR Code generator

1. Create a name list file first, which will be used to generate the QR Code later. The awe-qr.exe will generate one QR code per line and save them as .docx file. You can use notepad (++) or any text editor to build the name list file. (ex. demo.txt)
2. Please save the name file in same folder as awe-qr.exe file, or you need to provide the path to it.
3. Open a command prompt from windows, and go to the awe-qr folder. For example, 
4. Ex. Run > awe-qr.exe demo.txt. The myQRStudents.docx will be created.
5. Before print out the myQRStudents.docx, make sure the name and QR image alignments are correct. If the name is too long, then the QR image may push out of alignment.

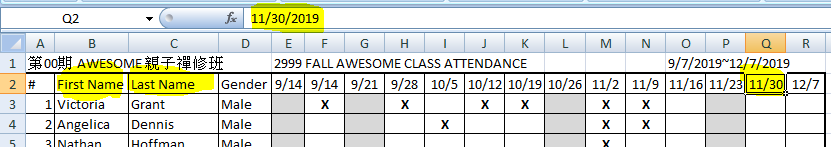
NOTE: If the output file (myQRStudents.docx) is open, then it will have “PermissionError: [Errno 13] Permission denied: 'myQRStudents.docx'”. Please close it first, and try again.





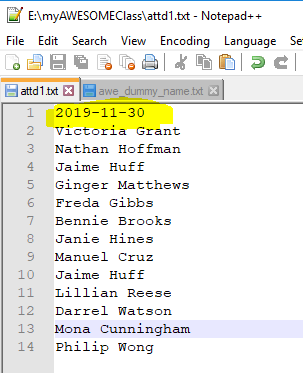
Attendance Update

1. For QR code scanning input: Please use Excel file as scanner input file, because Excel can add a line feed after each scan. The awe-qr.exe will generate a pure text QR code only, which is not including any extra control character. Or you can reprogram the QR scanner to add the suffix code after each scanning.
2. Attain the attendants’ list file, and .xlsx (class file) which will be updated. Note: it must be a **xlsx** format, NOT a xls.
3. There are three key words to link between updates.
   1. “First Name”, “Last Name” in xlsx.
   2. “Date” in xlsx, please set cell data type to date format for the class date in xlsx

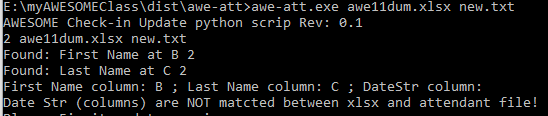


* 1. “Date” in attendance file. Please use **yyyy-mm-dd** format at the **FIRST** Line in attendant file.

Note: If the date string is partial input (ex. yyyy-mm , then it will find the first match column. This may cause some problems.

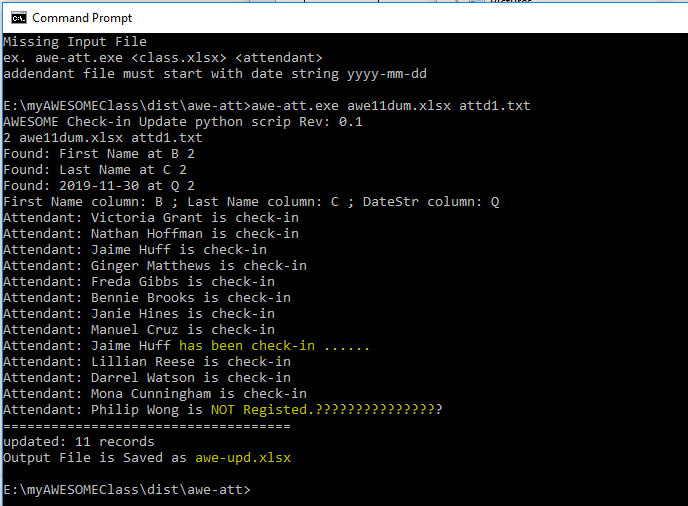


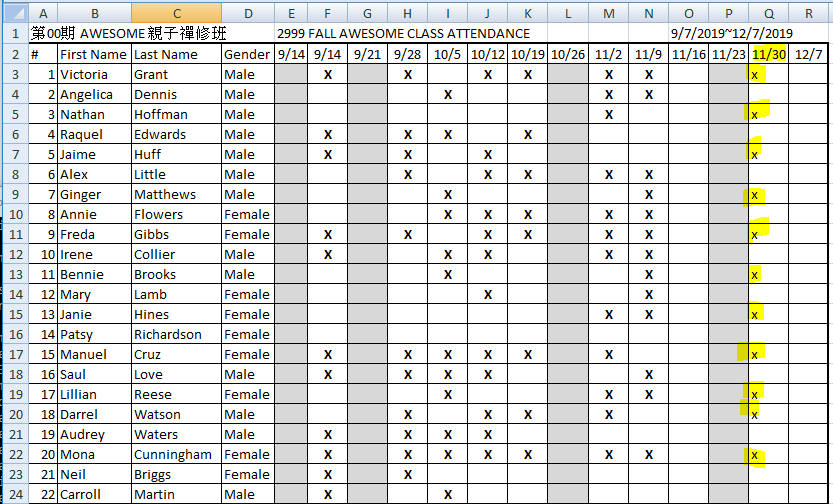
* 1. If there three key words cannot be resolved, then awe-att.exe will stop with error message.



1. Run > awe-att.exe <class.xlsx> <attd.txt> to update the class.xlsx.

Note: the updates are shown on screen. Make sure to verify them correctly.





Appendix A:

Please use Python 3.5 for Windows Installation from

<https://www.python.org/downloads/windows/>

Install extra modules: such as docx, and openpyxl ..

To build the executable: pyinstaller.

Source code: <https://github.com/awesomezenphoto> coming soon..