Program_05_1

Requirements

Write a script that will read in the original data from the Feb_6_2009 sheet contained in the Excel file named ClassList.xlsx . This file contains the student number and number of absences recorded for each student as of Feb 6.

- Load the appropriate data from **ClassList.xlsx**
- Output the Feb 6 attendance data to the command window with a neat format.
- Output a list of students with 1 or 2 absences in the command window who will be sent warning letters.
- Output a list of students with >=3 absences in the command window who will be dropped from the course.
- Remove the students with >=3 absences from the class list and output this updated class list to the command window and the Feb_13 sheet in the ClassList.xlsx file.

Program

In the code block below, create your program, editing the existing text as necessary.

Note: If you are using Octave then you will need to create a separate script file, save that separate file as the name **Program_05_01**. It will not conflict with this file of the same name since the extension will be different.

Additionally, Octave does not support `readmatrix` and `writematrix` so you will have to use the `xlsread` and `xlswrite` functions available through the `io` package.

```
% Filename: Program_05_1
% Author:
% Assisted by:

% Program Description:
```

Example Output

Your program output should match the following, be sure to check that your values are correctly stored in the Excel file.

Output for Program_05_1 written by Geoff Berl.

Class List as of February 6

Student #	Absences
50100	0
50101	3
50102	1
50103	0
50104	2
50105	4
50106	0
50107	2
50108	3
50109	0
50110	1
50111	3
50112	0
50113	0
50114	1
50115	3
50116	0
50117	4
50118	0
50119	2
50120	2
50121	0
50122	0
50123	0
50124	3
50125	3
50126	4
50127	2
50128	0
50129	3
50130	1

Students with 1 or 2 absences who will receive a warning letter

```
Student #    Absences
  50102         1
  50104         2
  50107         2
  50110         1
  50114         1
  50119         2
  50120         2
  50127         2
  50130         1
```

Students with >=3 absences who will receive a drop letter

```
Student #    Absences
  50101         3
  50105         4
  50108         3
  50111         3
  50115         3
  50117         4
  50124         3
  50125         3
  50126         4
  50129         3
```

Class List as of February 13

```
Student #    Absences
  50100         0
  50102         1
  50103         0
  50104         2
  50106         0
  50107         2
  50109         0
  50110         1
  50112         0
  50113         0
  50114         1
  50116         0
  50118         0
  50119         2
  50120         2
  50121         0
  50122         0
  50123         0
  50127         2
  50128         0
  50130         1
```

The new class list has also been sent to ClassList.xlsx