

Task description

In the attached archive, there are two specific types of CSV files – so-called "LP" and "TOU" files.

Write a console program that will:

1. Read CSV files, set the file path configurable so the program can read any "LP" and "TOU" files;
2. For each file, calculate the median value using a) the "Data Value" column for the "LP" file type or b) or the "Energy" column for the "TOU" file type;
3. Find values that are 20% above or below the median, and print to the console using the following format:

`{file name} {datetime} {value} {median value}`

Note: to get {datetime} use "Date/Time" column in a csv file (for both file types).

What we would like to see in your solution:

1. Appropriate object oriented approach.
2. Clear, decoupled, appropriate idiomatic code.
3. Some basic tests.