Take the following dataset [dataset.csv](https://umsystem.instructure.com/courses/117602/files/14240770?wrap=1)[Download dataset.csv](https://umsystem.instructure.com/courses/117602/files/14240770/download?download_frd=1)and divide the data set into multiple files of 100,000 lines each.

Implement the merge-sort in the language of your choice and sort the file by title, and then locate the title "Sandman: Dream Hunters 30th Anniversary Edition" using linear search and display the record.  Time how long it takes of find the title.

Implement the hash index in the language of your choice, then locate the title "Sandman: Dream Hunters 30th Anniversary Edition" using the hash index and display the record.  Time how long it takes to find the title.

Create a git repository on git-classes.mst.edu for your code and give developer privileges to the graders later on.

Write up your findings in a summary document and explain how you implemented the searches, the specifications of the machine you are running the code on, and how long the search took for each option.  Also note the link to your code in the git repository.  Submit you write up as a pdf in canvas.