



Welcome to the H-E-B Developer I Programming Challenge!

Thank you for your interest in a career in software development at H-E-B. This challenge will be used to assess your technical skills. We will be looking for your utilization of design patterns, best practices, and the simplicity and quality of your code.

You will have two (2) days to complete the challenge. When your solution is completed, upload the project to GitHub and send a link to sadc@heb.com. If selected to move forward in the interview process, you will be expected to demo your application in-person with your own laptop, and you will review your entire solution with several H-E-B developers. Please anticipate providing details regarding not only your code, but your overall design decisions.

We sincerely appreciate you taking the time to complete this challenge and wish you the best of luck!

Disclaimer: The solution you present is considered confidential information and is the property of H-E-B once submitted. You are not permitted to disclose or share this coding challenge in any form, written or digital. The source code you present is for testing and evaluation only and will not be used in production in any form. By submitting a solution, you acknowledge that the submission is a part of your application process and is of your own accord and produced by you alone. If the solution you present meets our software development guidelines, you acknowledge that should you have the opportunity to appear in person for an interview, you will present your solution in a code review with others software developers and management.



Requirements: Write a program that reads in a paragraph from a file (input.txt) and generates a histogram of the words used, sorted from most occurrences to least. The output will consist of the word followed by a pipe character ("|"), a number of equal signs that are proportional to the number of occurrences found in the text, and the number of occurrences itself. Have the program read in the paragraph defined in the **input.txt** file below and generate a histogram stored in an output file (**output.txt**).

Example Input

Hickory, dickory, dock.
The mouse ran up the clock.
The clock struck one,
The mouse ran down,
Hickory, dickory, dock.

Example Output

```
the | ==== (4)
ran | == (2)
dock | == (2)
clock | == (2)
dickory | == (2)
hickory | == (2)
mouse | == (2)
down | = (1)
up | = (1)
struck | = (1)
one | = (1)
```

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