Screen Shots and Explanation

**Section 1: Details Display**

Below shows the first 5 elements’ addition.

A screenshot of a computer

Description automatically generated

A screenshot of a social media post

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**Section 2: Whole Progress Display**

Step 1: Use first 100 words to create two hash tables.

Linear Probing:

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For “when” and “with”, the original hash value is 10 and the final insert index is 11 and 12.

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Print the collisions while add words to the hash table.

Table size: 53 -> 107 -> 223

A screenshot of a cell phone

Description automatically generated

Quadratic Probing:

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For “when” and “with”, the original hash value is 10 and the final insert index is 11 and 14.

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Step 2: Add 10 more words

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Actually, you need extra 12 words which means 112 word in total to make another rehash.

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Step 3: Run as a spell checker

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The position of “go” can also be checked from Step 2. I add an method to make sure the input is valid. Input “/exit” can exit the loop and end the program.