**Python Assignment**

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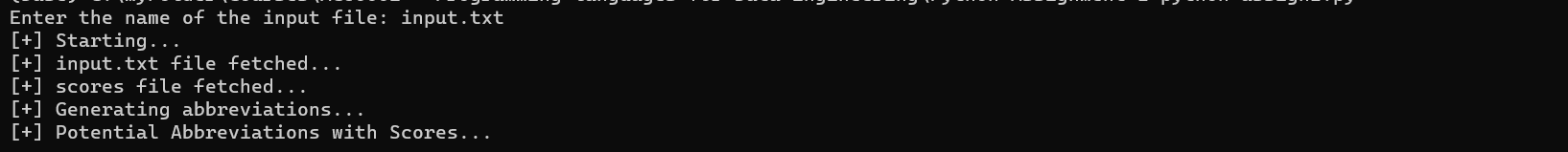
## Python Assignment

### Introduction

The purpose of the project is to generate good abbreviations for multiple phrases provided in a file.

### Description

When the program runs it asks for a prompt to enter the file name, if the file name is wrong it will exit the program, however if the file exists in the current working directory it will start the program.



At first stage of the program it will start creating abbreviations with scores from abbreviate() function.

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Description automatically generated

Above are some of the abbreviations that it creates for multiple phrases.

In the subsequent phase of the program, it diminishes the number of unnecessary abbreviations, as many of them are duplicated across different phrases. This exclusion is performed in reduce\_abbrevs() function.

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As we reach the final stage, further reduction takes place based on scores. Following the guidelines where the lowest score is considered the best, the finalize\_abbrev() function precisely accomplishes this by retaining only the abbreviation(s) with the lowest score.

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Description automatically generated

Finally, the last function, return\_output(), ensures the creation of a proper output text file according to the provided guidelines. The output showcases appropriate abbreviations for each phrase.