**Overview of Project: The purpose of this analysis.**

The purpose of this project is to analyze Steve’s dataset with the entire stock market over the last few years, analyze it, refactor the data and to figure out if it will run more efficiently and faster after refactoring. And finally, to present a written analysis that explains the findings. refactoring means restructuring existing code without changing the output. Refactoring is actually a technique based on well-defined transformations that improve your code without affecting the user-facing behavior.

The Results

Here I will demonstrate with images that in 2017, the stock analysis ran in 0.2573242 seconds, much faster previously. Running faster means more efficient which will improve the code quality

The image also shows that in 2018, the code ran in 0.2661133 seconds, again proving to be faster and more efficiently. In this context, refactoring is a fixed step in the workflow.

Summary:

The advantages

The advantages of refactoring code is a quick fix in the industry. It is a way of restructuring and optimizing existing code without changing it behavior. It runs faster and improves the code quality and restructures an existing body of code, altering its internal structure without changing its external behavior. It is devised to make it easy to enhance and maintain the program in the future. Can also include improved code readability and reduced complexity.

The disadvantages

The disadvantages of refactoring code is that in industries, it can be expensive and may introduce bugs. It can be time consuming and can be complicating.