Module 2 Challenge

In this project challenge, we analysis the stock market dataset with VBA solution code to loop though all the data. Furthermore determine refactoring the code successfully made the VBA script run faster and make the code efficient and giving the results with fewer steps.

**Analysis and Challenges**

The challenge was Refactoring the coding process. When refactoring code, you aren’t adding new functionality; you just want to make the code more efficient by taking fewer steps, using less memory, or improving the logic of the code to make it easier for future users to read. Refactoring is common on the job because first attempts at code won’t always be the best way to accomplish a task.

**2017 Performance**

Graphical user interface, application, table, Excel

Description automatically generated

**2018 Performance**

Graphical user interface, application, table, Excel

Description automatically generated

Advantage and Disadvantage of Refactoring Code.

**Disadvantages:**

* The Main disadvantage is very long procedure may contain the same line of code in several locations, and can change the logic to eliminate the duplicate lines.
* Refactoring process can affect the testing outcomes.

**Advantages:**

* Logical errors easily appear in well structure code that contains nested conditionals and loops.
* In our case, using Excel flow displays program logic in a more comprehensible manner, not tied to the order that the underlying code is written.
* VBA interpretation (Excel) of code can reveal patterns that are not easy to see in the source.