**Steve’s Stocks Analysis**

Overview of the Project:

The significance of the project is to help Steve in making analysis of multiple stocks automated in excel. This task is made easy by using VBA as a tool to automate stock analysis and achieve desired information of the profit-making and loss-making stocks. The data shows daily closing, opening, high, low and close prices of 12 stocks for the year of 2017 and 2018. With the help of VBA, annual growth of the stocks could be automated and can save time in doing a repetitive job.

Results:

The result of the stock analysis show that the stocks performed well and showed high growth in the year 2017 than 2018. Eleven out of twelve stocks showed a positive return in the year 2017 as compared to 2 in the year 2018.

Following is a brief summary of the small codes ran in VBA which gave result automated stock analysis:

1. Creating ticker index:

Table

Description automatically generated with medium confidence

1. Creating output arrays:

Text

Description automatically generated

1. Loop tickerVolume to Zero:

Text

Description automatically generated

1. Conditionals:

Graphical user interface, text, application, email

Description automatically generated

1. Cells formatting:

Text

Description automatically generated

Results of refactored script: The refactored scrip made it easier to analyze the stocks as it was automated and required to put the year ‘2017’ or ‘2018’ in the input box. This gave stock analysis of the respective year, and the conditional formatting made the data easily to understand.

Advantages of VBA Script:

* *Original*: The original script was easy to learn with a simple syntax with an ease to execute the script.
* *Refactored Script*: After understanding the complexity of the code it is easy to maintain the code and easy to understand every stop of the code which ultimately appears fresher.

Disadvantages of VBA Script:

* *Original Script*: The original script did not allow analysis of every stock in two different years, and it could old be ran on one year at a time.
* *Refactored Script*: Due to the complexity of the script it was time consuming to execute the code and as there is no development environment available by default, debugging is difficult.