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GW Boot Camp

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Stock Analysis

**Overview of Project**

It is very import to do some kinds of research or analysis before deciding to stock. It helps to avoid losses and risk. Analyzing stocks helps investors find the best investment opportunities. The purpose of this analysis is to find which green energy stock is profitable to invest in. Our dataset contains two-year information for twelve different companies.

**Analysis and Challenges**

The biggest challenge during this analysis was lack of enough data to make see patterns and trends that could potentially make our analysis strong and reliable.

**Results**

The according to our analysis, the highly recommend stock to invest in are ENPH and RUN as per 2017 and 2018 data. The following table shows the total return for all stocks in 2017 and 2018 trading year.

Table

Description automatically generated

*Table 1. All stock total return in 2017*

Table

Description automatically generated

*Table 2. All stock total retun in 2018*

Code Refactoring is a way of restructuring and optimizing existing code without changing its behavior. It is a way to improve the code quality. Some of the advantage of refactoring include:

* Refactoring Improves the Design of Software
* Refactoring Makes Software Easier to Understand
* Refactoring Helps Finding Bugs
* Refactoring Helps Programming Faster

In terms of execution time, the refactored code run time was faster than the original code.

Among the disadvantage of code refactoring include:

* It is time-consuming process.
* High chance of making mistakes.