The purpose of this project is to work as a simple interest calculator. Following the tenets of clean and reusable code, major functions are broken down into smaller chunks and only called from the main method when appropriate. Since C++ doesn't have the memory management tools employed by Java, I chose to pass in pointers as parameters in the methods that do the calculations. Although this project isn't particularly large or complex, it is generally good practice to try to optimize code as much as possible.

The hardest part of this project was the translation of the formula for calculating compounding interest into machine code, which was not as straightforward - particularly when calculating for monthly interest payments. Writing pseudocode and leaving commentary within the code itself for the formulas helped to make this translation process a lot less painful. To ensure these calculations were correct once programming was completed, I used an online interest calculator to plug in the same input and compared it to the program's output.