Assignment1 - Q3

The Benefit of using Maven is to standardize project development. When working with other developers, problems arise with file types. To prevent this, Maven ensures the compilation process goes as smoothly as possible. It helps new developers learn how to manage dependencies and provides the necessary libraries that would normally be harder to obtain. Maven overall creates opportunities for easier project development.

Assignment1 - Q4

Four important principles of Object Oriented Programming is:
1. Divide and Conquer Principle:
    The benefit of the divide and conquer principle is that it increases the maintainability of the program, enhances the reusability of the code and simplifies coding and debugging.
2. Encapsulation Principle:
    The benefit of the encapsulation principle is that there is less risk behind changing code, it increases data integrity, and protects the internal state of the code.
3. Interface Principle:
    The benefit of the interface principle is the flexibility and extensibility of each method, the code has the ability to decouple and does not require prior data to correctly perform a task.
4. Information Hiding Principle :
    The benefit of the Information hiding principle is keeping the internal workings of the data loader hidden, enhances the security of information and prevents the misuse of the code, such as changing how it functions.