Assignment 3

In each of the following cases, a number of patterns have been associated with a specific situation. For each of the situations, compare the associated patterns as to when (in what circumstances) and how (in what way) each pattern can be useful in resolving the situation, and highlight the negative consequences of applying each pattern to its associated situation.

- **Situation**: Complex conditional expressions are present in the methods of the class.
  **Patterns**: 1) Replace Conditional with Polymorphism; 2) Introduce Null Object.

- **Situation**: Some methods have very long parameter lists.
  **Patterns**: 1) Separate Query from Modifier; 2) Replace Parameter with Explicit Methods.

- **Situation**: An object-oriented program has been written without observing object-oriented principles and rules.
  **Patterns**: 1) Encapsulate Collection; 2) Convert Procedural Design to Objects.