Getter & Setter Patterns

The pattern of pairing a "getter" along with a "setter" function is common, and you will see it in any major C++ project you work on. Unlike Java, the actual get* and set* name pattern is not as common. Instead, what programmers often do is write a pair of overloaded functions.

Instead of the name **getHours()** or **setHours()**, use the name **hours()** for both of them.

- The accessor is **const** and returns a value.
- The non-const mutator returns a reference, which can be assigned to.

In general, it is safer to allow clients to **read the values** of the data members than it is allow them to **change** those values. As a result, "setters" are far less common than "getters" in class design. Classes with no mutators at all, are called **immutable classes**.



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