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Chapter 10. STL Function Objects and Using Lambdas

This chapter discusses in detail the features to pass specific functionality to algorithms and member functions, *function objects*, or *functors* for short (introduced in [Section 6.10, page 233](#)). It covers the full set of predefined function objects and function adapters and binders and the concept of functional composition, provides examples of self-written function objects, and presents details about the application of lambdas (introduced in [Section 3.1.10, page 28](#), and [Section 6.9, page 229](#)).

As a consequence, you will learn details and surprising behavior of the algorithms `remove_if()` and `for_each()` .