

Example programs for Module 3 – Data Abstraction and Array-based Implementations

Example 1	MultipleDataTypes.cpp	Experiments with typedef and overloaded methods
Example 2	GenericDataTypes.cpp	Uses a function template for creating generic data type
Example 3	ClassTemplate.h	A class definition which uses generic data types. Technique 1 - .h file includes the implementation
Example 4	ClassTemplate2.h ClassTemplate2.cpp Client.cpp	A class definition which uses generic data types. Technique 2 - .h file only includes the specification. An #include statement is added to the end of the .h to include the implementation, .cpp file. This is the technique utilized by the text. Sample client application to test the class
Example 5	ArrayBag folder BagInterface.h ArrayBag.h ArrayBag.cpp BagTester.cpp makefile	The Bag ADT defined in the text and its implementation using an array. BagTester is a client application used to test the ArrayBag