**STL Containers**

Purpose:

This package provides relatively simple demos for each of the STL Containers:

1. **array<T>** fixed size, indexable, contiguous memory
2. **vector<T>** expandable, indexable, contiguous memory
3. **deque<T>** double-ended queue, indexible, contiguous memory
4. **list<T>** doubly linked list
5. **forward\_list<T>** singly linked list
6. **set<T>**  
   ordered collection of values based on balanced binary tree
7. **map<Key, value>**  
   ordered collection of <key, value> pairs using balanced binary tree
8. **unordered\_set<T>**  
   unordered collection of values using hash table of values
9. **unordered\_map<Key, Value>**unordered collection of values using hash table of pairs
10. **queue<T>** FIFO structure of values accessible only at the ends
11. **stack<T>** LIFO structure of values accessible only at the top
12. **string** strings have iterators so play well with the STL
13. **native arrays**native pointers are iterators and global begin() and end() support usual STL operations

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