

Iterator Introduction Solutions

Iterators

- Briefly describe the similarities between an iterator to a container element and a pointer to an array element
 - Dereference to access the element's data
 - Increment to move to the next element
 - Use arithmetic to move more further than the next element
 - A pointer to const/const iterator prevents modification of the element
 - Undefined behaviour if the iterator/pointer does not correspond to an element

std::string Iteration

- Write a simple program that prints out the elements of an std::string, using an iterator to iterate over the string