

Const and Reverse Iterators Solutions

- Explain the purpose of a const iterator
 - An iterator which can be used to access an element's value, but not modify it
- Describe how to create and use a const iterator
 - Use `cbegin()` and `cend()` instead of `begin()` and `end()`
- Write a simple program which uses a const iterator

- Explain the purpose of a reverse iterator
 - An iterator which can be used to iterate backwards through a container
- Describe how to create and use a reverse iterator
 - Use `rbegin()` to get an iterator to the last element and `rend()` to get an iterator to the one-before-first element
- Write a simple program which uses a reverse iterator

- Explain the purpose of a const reverse iterator
 - Combines the properties of const and reverse iterators. An iterator which can be used to iterate backwards through a container, but cannot be used to modify elements
- Describe how to create and use a const reverse iterator
 - Use `crbegin()` to get a const iterator to the last element and `crend()` to get a const iterator to the one-before-first element
- Write a simple program which uses a const reverse iterator