

Loops and Iterators Solutions

New forms of begin() and end()

- Write out a program with a loop that prints out the characters in a string using
 - Iterators
 - Const iterators
 - Reverse iterators
 - Const reverse iterators

Global begin() and end()

- Write a program that uses global begin() and end() to print out the elements of an array

Range for loops

- Write a program that uses a range for loop to print out the elements of a vector
- Add another range for loop that adds 2 to the value of each element
- Print out the elements of the vector again. Check that the elements have been correctly modified

When to use range for loops

- Give some examples where a range for loop would not be suitable
 - A loop which only iterates over part of a container
 - A loop which misses out some elements
 - A loop which adds or removes elements
- Write a loop which removes elements from a vector if they have odd values
- Write a program to test your loop. It should print out the elements of the vector before and after the loop