

List Operations Exercises

- What is meant by "random access"?
- Do the C++ Standard implementations of linked lists support random access?

- Give some examples of generic standard algorithm functions that have been re-implemented as member functions of `std::list`
- Write a simple program that uses some of these member functions
- Are there any advantages to using these member function versions?
- Are there any differences in behaviour between the member function versions and the generic versions?

- Describe the `merge()` and `splice()` member functions of `std::list`
- Write a simple program that uses these functions
- Change your program so that it uses `std::forward_list`