Miscellaneous String Operations Exercises

data() Member Function

- Briefly describe the std::string::data() member function
- Suggest a situation in which this member function would be useful
- Write a simple program which uses the data member function

Swapping

- What is meant by a swap operation?

- Write a simple program which performs a swap operation on two std::string objects, using both forms of swap()

Default implementation of swap()

- std::swap() has overloads for all built-in and library types

- Describe what happens if std::swap() is called with arguments for which it does not have an overload

- Why is this approach inefficient for classes like std::string?

Specialized swap() for std::string

- Briefly explain how std::swap() is implemented for std::string
- Why is this approach more efficient than the default?