

Inline Namespaces Solutions

Nested namespaces

- What is meant by a "nested namespace"?
 - A namespace which is defined inside another namespace is said to be "nested"
- Write a simple program which defines a nested namespace
- Inside the nested namespace, define a symbol
- Access this symbol from main()

Inline namespaces

- What is meant by an "inline namespace"?
 - An inline namespace is similar to a nested namespace
 - However, symbols defined in the inline namespace can be accessed as though they were defined in the outer namespace
- Write the same program as in the last exercise, but this time using an inline namespace instead of a nested namespace

Inline namespaces and versioning

- Give an example where inline namespaces are useful
 - Product versioning
 - The code for the current version is in an inline namespace
 - The code for other versions is in nested namespaces
 - Without any scope operators, we get the current version of the code
 - If we need a different version, we qualify it with that version's namespace
 - When a new version is released, we make that namespace inline and change the previous version to a nested namespace
- Write a simple program to illustrate your answer