

Copying Algorithms Solutions

copy()

- Describe the copy function
 - `copy()` copies the elements in an iterator range into a destination
 - It takes the iterator range to be copied and an iterator into the destination
- Write a simple program that uses `copy()`
- Write the equivalent code without using `copy()`

copy_n()

- Describe the copy_n function
 - copy_n() copies a fixed number of elements only
 - It takes an iterator to the first element to be copied, the number of elements to be copied and an iterator to the destination
- Write a simple program that uses copy_n()
- Write the equivalent code without using copy_n()

copy_if()

- Describe the copy_if function
 - copy_if() copies the elements in an iterator range for which a predicate is true into a destination
 - It takes the iterator range to be copied, an iterator into the destination and the predicate function
- Write a simple program that uses copy_if()
- Write the equivalent code without using copy_if()