## **Counting Elements**

Count algorithms assist us in counting the number of elements in a range which satisfy a certain predicate.

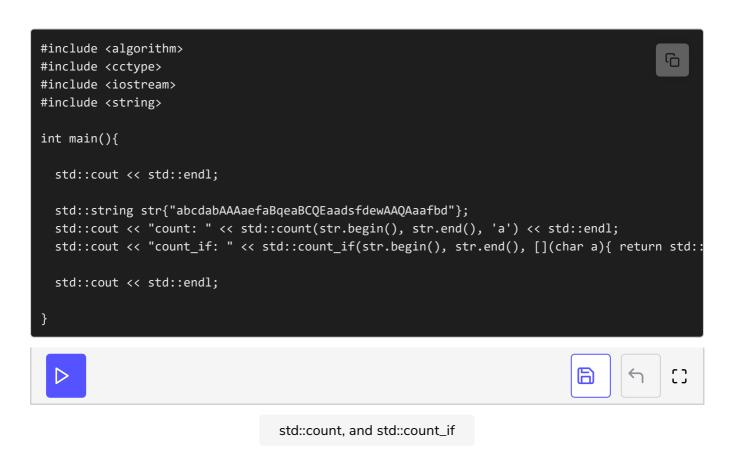
We can count elements (with or without a predicate) using STL algorithms.

They return the number of elements:

```
Num count(InpIt first, InpIt last, const T& val)
Num count(ExePol pol, FwdIt first, FwdIt last, const T& val)

Num count_if(InpIt first, InpIt last, UnPred pre)
Num count_if(ExePol pol, FwdIt first, FwdIt last, UnPred pre)
```

Count algorithms take input iterators as arguments and return the number of elements matching val or the predicate.



In the next lesson, we'll discuss a few algorithms which tell whether a value or values in a range fulfill our given condition.