

Some thoughts about the C++ Standard Template Library

- Algorithms are built-in functions stored in the STL.
- The STL has algorithms like sort, accumulate, consecutive, and find.
- Use accumulate to get a running total:

```
int myTotal = accumulate(begin(myIntegersArray), end(myIntegersArray), 0); //0 is the initial value of myTotal
```

- Use consecutive to fill an array with ints say from 0 - 10000. It saves massive typing/time.
- So these algorithms can operate on any type of data that supports them (collections do) and you can see that this avoids using a for loop to get our running total.
- Iterators are built-in objects designed to cycle through our data. The accumulate example does not care what type of data it is working on. It is like a generic function.