# Visiting the elements of an array

A common task is to visit all of the elements of an array, we may want to input values into the array, compute some value from the array, modify elements of the array or output the values of the array. One way to accomplish this is with a counting for loop. The for loop declares and initializes a variable counter, it iterates as long as the variable counter is less than the size of the array, and after each iteration the counter is incremented by one.

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| #include <iostream>  #include <array>  using namespace std;  const int ARRAY\_SIZE = 6; // constant for size  int main() {   array<int, ARRAY\_SIZE> temperatures; // declare array of size ARRAY\_SIZE     for (size\_t counter = 0; counter < temperatures.size(); counter++) {    // prompt user for input    cout << "Enter an integer for temperatures[" << counter << "] ";    cin >> temperatures[counter];   }   return 0;  } |