

Pair with Given Sum in C++				
<pre>#include <iostream> #include <vector> using namespace std; bool pairWithGivenSum(const vector<int>& arr, int x) { int left = 0, right = arr.size() - 1; while (left < right) { if (arr[left] + arr[right] == x) { return true; } else if (arr[left] + arr[right] > x) { right--; } else { left++; } } return false; } int main() { vector<int> arr = {10, 7, 8, 20, 12}; int x = 32; cout << std::boolalpha << pairWithGivenSum(arr, x) << endl; return 0; }</pre>	Dry Run After Sorting Sorted array: {7, 8, 10, 12, 20} Target x = 32			
	left (val)	right (val)	Sum	Action
	7	20	27	Increase left
	8	20	28	Increase left
	10	20	30	Increase left
	12	20	32	☺ Match → return true
	✔ Output: true			
true				