

Remove Primes in C++																					
<pre>#include <iostream> #include <vector> using namespace std; bool isPrime(int val) { if (val <= 1) return false; // 0 and 1 are not prime numbers for (int i = 2; i * i <= val; i++) { if (val % i == 0) { return false; } } return true; } void solution(vector<int>& nums) { for (int i = nums.size() - 1; i >= 0; i--) { if (isPrime(nums[i])) { nums.erase(nums.begin() + i); // Remove prime number } } } int main() { vector<int> nums = {3, 12, 13, 15}; solution(nums); for (int num : nums) { cout << num << " "; } cout << endl; return 0; }</pre>	<div>Dry Run for Input:</div> <div>vector<int> nums = {3, 12, 13, 15};</div> <table><tr><th>Index</th><th>Value</th><th>isPrime?</th><th>Action</th></tr><tr><td>3</td><td>15</td><td>✗</td><td>Keep</td></tr><tr><td>2</td><td>13</td><td>✓</td><td>Remove</td></tr><tr><td>1</td><td>12</td><td>✗</td><td>Keep</td></tr><tr><td>0</td><td>3</td><td>✓</td><td>Remove</td></tr></table> <div>✓ Final nums = {12, 15}</div> <div><div>🖨</div>Output:</div> <div>12 15</div>	Index	Value	isPrime?	Action	3	15	✗	Keep	2	13	✓	Remove	1	12	✗	Keep	0	3	✓	Remove
Index	Value	isPrime?	Action																		
3	15	✗	Keep																		
2	13	✓	Remove																		
1	12	✗	Keep																		
0	3	✓	Remove																		
12 15																					