

值几百块钱的vector黑盒子，增删改查以及算大小清空都能有单独的函数黑盒子



```
36 int main() {
37     // 声明一个存储整数的 vector
38     std::vector<int> numbers;
39
40     // 添加元素
41     numbers.push_back(10);
42     numbers.push_back(20);
43     numbers.push_back(30);
44
45     // 输出 vector 中的元素
46     std::cout << "Vector contains: ";
47     for (int i = 0; i < numbers.size(); ++i) {
48         std::cout << numbers[i] << " ";
49     }
50     std::cout << std::endl;
51
52     // 添加更多元素
53     numbers.push_back(40);
54     numbers.push_back(50);
55
56     // 再次输出 vector 中的元素
57     std::cout << "After adding more elements, vector contains: ";
58     for (int i = 0; i < numbers.size(); ++i) {
59         std::cout << numbers[i] << " ";
60     }
61     std::cout << std::endl;
62
63     // 访问特定元素
64     std::cout << "The first element is: " << numbers[0] << std::endl;
65
66     // 清空 vector
67     numbers.clear();
68
69     // 检查 vector 是否为空
70     if (numbers.empty()) {
71         std::cout << "The vector is now empty." << std::endl;
72     }
73
74     return 0;
75 }
```

问题 输出 调试控制台 终端 窗口

```
/Users/cfc/Desktop/test/build/test
• cfc@cfdeMacBook-Air build % /Users/cfc/Desktop/test/build/test
Found: two
• cfc@cfdeMacBook-Air build % /Users/cfc/Desktop/test/build/test
Vector contains: 10 20 30
After adding more elements, vector contains: 10 20 30 40 50
The first element is: 10
The vector is now empty.
窗口中启动所选目标: [test] eMacBook-Air build %
```