

[1*] 1. Browse the C++ Core guidelines (<https://isocpp.github.io/CppCoreGuidelines/CppCoreGuidelines>) and write down the guidelines related to namespace.

[1*] 2. Check various references and the Internet to check what are unnamed namespaces. What are the benefits of them?

[1*] 3. Consider the following code:

```
void test()
{
    using std::cout; using std::endl;
    using std::out_of_range;
    try {
        Vector<int> v;
        int i;
        while (cin >> i) v.push_back(i);
        for (int i = 0; i <= v.size(); ++i)
            cout << v[i] << endl;
    }
    catch (out_of_range&) {
        // ...
    }
}
```

As we already discussed in the last session, the above code has an array-bound checking exception. replace the for loop with a different *kind of loop* which prevents throwing exceptions.

Note: the following loop isn't suitable enough:

```
for (int i = 0; i < v.size(); ++i)
    cout << v[i] << endl;
```