```cpp
/*This programme gives an example of vector-specific iterators*/

#include <iostream>
#include <vector>
using namespace std;

void main() {

        vector<int> vec{ 0, 5, 2, 4, 3, 6, 5 };

        for (auto iter = begin(vec); iter != vec.end(); ++iter) cout << *iter << " ";

        //Accessing elements of a vector
        vector<int>::iterator iter = vec.begin(); // Specifying the datatype of the iterator (iter
points to the first element in vec)

        // Equivalent to iter=iter+3;
        advance(iter, 3);

        cout << *iter << " "; // iterators can be treated as pointers (use dereference operator to
get the value of the element)


        system("pause");
}
```