

std::vector



Topics:

- . std::vector
- . An easy to use, built **in** collection type

std::vector

```
// Declaration and initialization
std::vector<int> vec = {1, 2, 3, 4, 5};

// Accessing elements using []
for (size_t i = 0; i < vec.size(); ++i) {
    fmt::println("vec[{}] = {}", i, vec[i]);
}
```

```
// Accessing elements using at()
std::vector<int> vec = {1, 2, 3, 4, 5};

// Accessing elements using at() method
for (size_t i = 0; i < vec.size(); ++i) {
    fmt::println("vec.at({}) = {}", i, vec.at(i));
}
```

```
// Modifying elements in the vector
std::vector<int> vec = {1, 2, 3, 4, 5};
vec[0] = 10;
vec.at(1) = 20;

// Printing modified vector
for (size_t i = 0; i < vec.size(); ++i) {
    fmt::println("vec[{}] = {}", i, vec[i]);
}
```

`std::vector`

The rest is similar to `std::array`.
Let's look at some code.