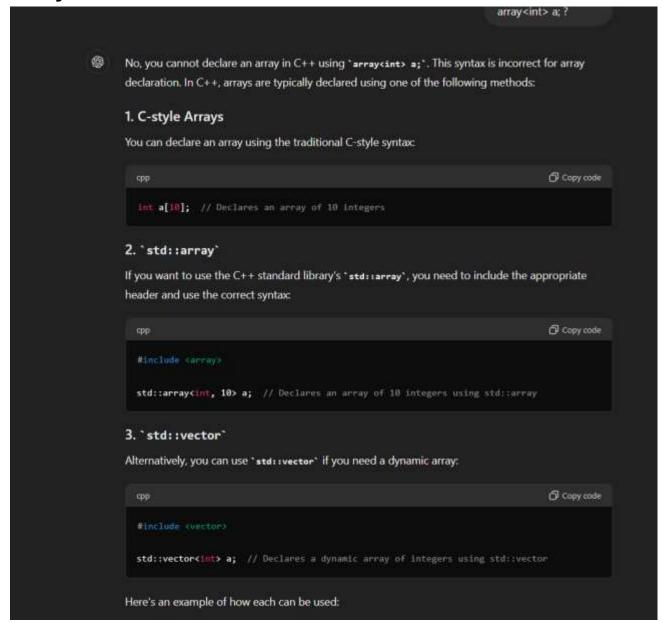
Array & Vector



```
int main() {
   int a[5] = {1, 2, 3, 4, 5}; // Initialize the array
   for(int i = 0; i < 5; ++i) {
      std::cout << a[i] << " ";
   }
   return 0;
}</pre>
```

`std::array` Example

```
#include <iostream>
#include <array>

int main() {
    std::array<int, 5> a = {1, 2, 3, 4, 5}; // Initialize the array
    for(const auto& elem : a) {
        std::cout << elem << " ";
    }
    return 0;
}</pre>
```

`std::vector` Example

```
#include <iostream>
#include <vector>

int main() {
    std::vector<int> a = {1, 2, 3, 4, 5}; // Initialize the vector
    for(const auto& elem : a) {
        std::cout << elem << " ";
    }
    return 0;
}</pre>
```

Choose the appropriate type based on your needs—fixed-size arrays with `std::array` or dynamic arrays with `std::vector`.

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