



Methods

Optional (default) parameters

Method Parameters: optional (default)

Default Arguments in C++ - GeeksforGeeks

A default parameter is when a parameter declares what the value of a parameter should be *IF* the calling code does not provide the value.

Default parameters ***MUST*** appear after all required parameters!

Method Parameters: optional (default)

```
void spiderVerse(int verse = 616)
{
    std::cout << "Welcome to Earth-" << verse << "\n";
}
```

```
spiderVerse(); //prints "Welcome to Earth-616"
spiderVerse(8311); //prints "Welcome to Earth-8311"
```



`std::vector<type>`

[Vector in C++ STL - GeeksforGeeks](#)

`std::vector<type>`

[Ways to copy a vector in C++ - GeeksforGeeks](#)

3 Ways to copy one vector to another vector...

1. copy each element manually
2. assignment "=" operator
3. passing a vector to the constructor of another vector

std::vector<type>

Ways to copy one vector to another vector...

copy each element manually

```
std::vector<int> scores = { 1,2,3,4,5 };  
std::vector<int> scores2;  
for (size_t i = 0; i < scores.size(); i++)  
    scores2.push_back(scores[i]);
```

std::vector<type>

Ways to copy one vector to another vector...

assignment "=" operator

```
std::vector<int> scores = { 1,2,3,4,5 };
```

```
std::vector<int> scores3 = scores;
```

std::vector<type>

Ways to copy one vector to another vector...

passing a vector to the constructor of another vector

```
std::vector<int> scores = { 1,2,3,4,5 };
```

```
std::vector<int> scores4(scores);
```