**Scope Resolution Operator (::) :**

Scope resolution operator (::) in C++ is used to define a function outside a class or when we want to use a global variable but also has a local variable with the same name.

**Syntax:**

int count = 0;

int main(void)

{

int count=0;

:: count = 1; // set global count to 1

count = 2; // set local count to 2

return 0;

}

**Uses:**

The scope resolution (::) operator can be used

* To get hidden names due to variable scopes so that we can still use them.
* as both unary and binary.
* [Accessing a global variable when there is a local variable with same name](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#Accessingaglobalvariablewhenthereisalocalvariablewithsamename).
* [Defining a function outside a class](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#Definingafunctionoutsideaclass).
* [Accessing a class’s static variables](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#Accessingaclass%E2%80%99sstaticvariables).
* [Referring to a class inside another class](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#Referringtoaclassinsideanotherclass).
* [In case of multiple Inheritance](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#IncaseofmultipleInheritance).
* [Namespace](https://www.edureka.co/blog/scope-resolution-operator-in-cpp/#Namespace)