

Class- Access Modifiers

Introduction

Data hiding is one of the important features of Object Oriented Programming.

The access restriction to the class members is specified by the labelled public, private, and protected sections within the class body.

```
class Base {  
    public:  
        // public members go here  
    protected:  
        // protected members go here  
    private:  
        // private members go here  
};
```

The public Members

A public member is accessible from anywhere outside the class but within a program.

The private Members

A private member variable or function cannot be accessed, or even viewed from outside the class. Only the class and friend functions can access private members.

The protected Members

A protected member variable or function is very similar to a private member, but it provided one additional benefit that they can be accessed in child classes which are called derived classes.