



# OBJECT ORIENTED PROGRAMMING

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Topic 7: Classes Objects and  
Modifiers

# ACCESS MODIFIERS IN JAVA

As the name suggests access modifiers in Java helps to restrict the scope of a class, constructor, variable, method, or data member. There are four types of access modifiers available in java:

1. Default – No keyword required
2. Private
3. Protected
4. Public

# PRIVATE

The private access modifier is accessible only within the class.

## **Simple example of private access modifier**

In this example, there are two classes A and Simple. A class contains private data member and private method. We are accessing these private members from outside the class, so there is a compile-time error.

# DEFAULT

If you don't use any modifier, it is treated as **default** by default. The default modifier is accessible only within package. It cannot be accessed from outside the package. It provides more accessibility than private. But, it is more restrictive than protected, and public.

## **Example of default access modifier**

In this example, we have created two packages pack and mypack. We are accessing the A class from outside its package, since A class is not public, so it cannot be accessed from outside the package.

