


1. Public

- **Keyword:** public
- **Accessibility:** No restrictions. Members are accessible from any other code in the same assembly or another assembly that references it.
- **Usage Example:**

csharp

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```
public class MyClass
{
    public int MyProperty { get; set; }
}
```

2. Private

- **Keyword:** private
- **Accessibility:** Members are accessible only within the body of the class or the struct in which they are declared.
- **Usage Example:**

csharp

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```
class MyClass
{
    private int MyProperty { get; set; }
}
```

3. Protected

- **Keyword:** protected
- **Accessibility:** Members are accessible within their own class and by derived class instances.
- **Usage Example:**

csharp

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```
class BaseClass
{
    protected int MyProperty { get; set; }
}

class DerivedClass : BaseClass
{
    // Can access MyProperty here
}
```

4. Internal

- **Keyword:** internal
- **Accessibility:** Members are accessible only within files in the same assembly. This is the default access level for class members if no modifier is specified.
- **Usage Example:**

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```
internal class MyClass
{
    internal int MyProperty { get; set; }
}
```

5. Protected Internal

- **Keyword:** protected internal
- **Accessibility:** Members are accessible within their own assembly or from derived classes in other assemblies.
- **Usage Example:**

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```
public class MyClass
{
    protected internal int MyProperty { get; set; }
}
```

6. Private Protected

- **Keyword:** private protected
- **Accessibility:** Members are accessible only within their own class or from derived classes within the same assembly.
- **Usage Example:**

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```
public class MyClass
{
    private protected int MyProperty { get; set; }
}
```

Summary

Modifier	Accessibility
public	Anywhere
private	Only within the same class or struct
protected	Within the same class and by derived classes
internal	Within the same assembly
protected internal	Within the same assembly or by derived classes in other assemblies
private protected	Within the same class and by derived classes within the same assembly