

.NET &gt; C#.NET &gt; OOP

## Sealed Classes

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### Sealed Class

- Sealed Classes instantiable; but not inheritable.
  - You can create object for sealed class.
  - You can't create child class from sealed class.
- Use sealed class, whenever you don't want to let other developers to create child classes for the specific class.

### Sealed Class - Syntax

```
sealed class Class1
{
}

class Class2 : Class1 //not possible
{
}
```

### Class (vs) Sealed Class – Inheritance and Object

Class Type	Can Inherit from Other Classes	Can Inherit from Other Interfaces	Can be Inherited	Can be Instantiated
Normal Class	Yes	Yes	Yes	Yes
Sealed Class	Yes	Yes	No	Yes
Abstract Class	Yes	Yes	Yes	No
Interface	No	Yes	Yes	No

### Sealed Class - Syntax

Class Type	Non-Static Fields	Non-Static Methods	Non-Static Constructors	Non-Static Properties	Non-Static Events	Non-Static Destructors	Constants	Static Fields	Static Methods	Static Constructors	Static Properties	Static Events	Virtual Methods	Abstract Methods	Automatic Properties	Non-Static Indexers
Normal Class	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Sealed Class	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Abstract Class	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Interface	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No