Records

Cloning and expression

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Cloning

Previously, we learned that a type provides immutability by default. Without adding an explicit setter to the property, we cannot modify any value of the instance.

However, the combined with new keyword can perform a **nondestructive mutation**. The new expression makes a clone of the record instance with specified properties and fields modified.

The part after the keyword is just the object initializer which is called on the nearly created clone object. We can also create a copy of the object without changing the properties.

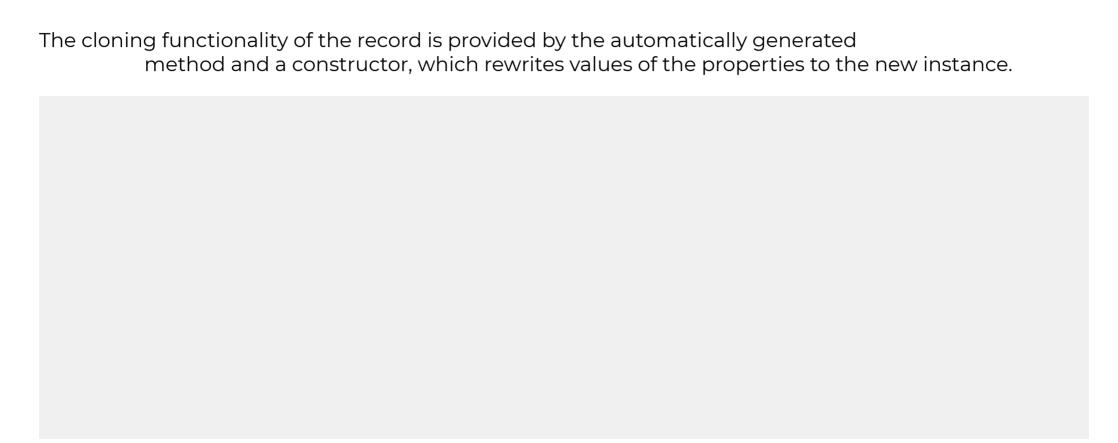
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Shallow copy

The result of a expression is a **shallow copy**. It means that for each reference property, only the reference to an instance is copied. Both the original record and the cloned end up with references to the same instance on the heap.

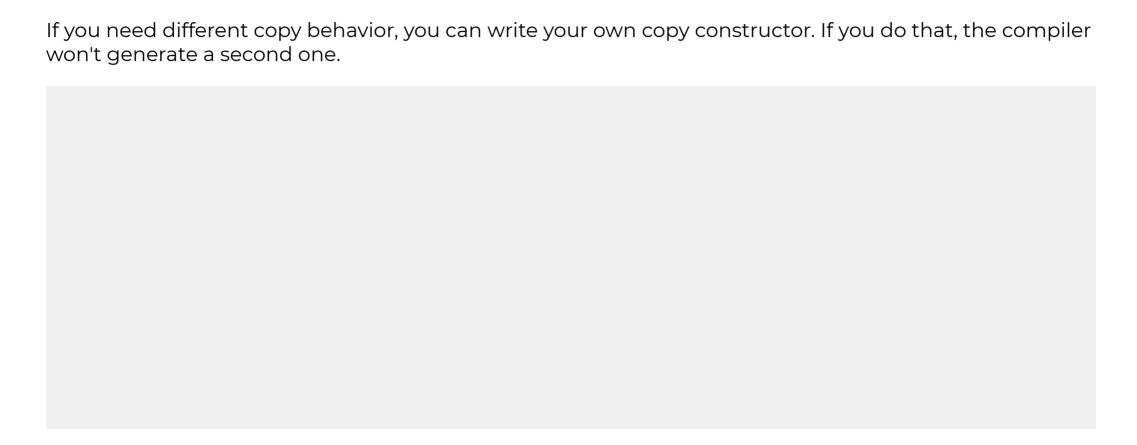
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Cloning



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Custom cloning



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Reserved name

| You can't override the method is compiler-generated | method or name any mem rated, but still, this action is fo | eal name of the clone |
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