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Properties

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What is Property

- Property is used to perform validation and calculation on a private field.
- Property contains two methods: "Set method" and "Get method".
- The "Set method of property" performs validation, before assigning value into the private field.
- The "Get method of property" calculates the value and returns the value.
- No memory will be allocated for the property.
- The "set method" gets executed automatically when the user assigns a value to the property.
- The "get method" gets executed automatically when the user retrieves value from the property.
- The "set method" has a default parameter called "value", which represents the actual value that is passed to the property.

Property

```
public DataType PropertyName
{
    set
    {
        field = value;
    }
    get
    {
        return field;
    }
}
```