

# abstract

---

## Class

- Der Anweisungsblock muss vom Erben gefüllt werden
- Methode besitzt keine Implementierung

```
namespace Class;

internal abstract class ClassOfSensor
{
    // Instanz-Felder
    public string SofManufacturer { get; set; }
    public string SofSerialNumber { get; set; }
    public string SofModel { get; set; }
    public Guid ID { get; set; }

    // Methode besitzt keine Implementierung
    public abstract double MofMessure();
}
```

## class

- von einer abstracten classe können keine Objecte erzeugt werden
- abstracte classen können aber Constructoren enthalten
- Yes, this is a correct example of an abstract class in C#.
- Here are some key points that make it an abstract class:

The abstract keyword is used to declare the class as abstract. The class contains a property with no implementation (MofMessure()). This property is declared as abstract and must be implemented by any non-abstract derived classes. The class also contains a protected method (MofCollectedFieldValues()) that can be used by derived classes.

## implemented Method

- In this corrected version, the MofMessure() method is implemented
- in the ClassOfTempSensor class, and it returns a temperature value in degrees Celsius.
  - Note that you can replace the return value with the actual temperature measurement obtained from the temperature sensor.

```
namespace Class
{
    public class ClassOfTempSensor : ClassOfSensor
```

```
{
    // public override string Unit => throw new NotImplementedException();
    public override string Unit => "°C";

    public override double Measure()
    {
        // Implementation of the Measure method
        throw new NotImplementedException();
    }

    public override void MofReset()
    {
        // Implementation of the MofReset method
        throw new NotImplementedException();
    }

    public override double MofMessure()
    {
        // Implementation of the MofMessure method
        // For example, you can return the temperature in degrees Celsius
        return 25.0;
    }
}
```