

C# this

In c# programming, this is a keyword that refers to the current instance of the class. There can be 3 main usage of this keyword in C#.

- It can be used **to refer current class instance variable**. It is used if field names (instance variables) and parameter names are same, that is why both can be distinguish easily.
- It can be used **to pass current object as a parameter to another method**.
- It can be used **to declare indexers**.

C# this example

Let's see the example of this keyword in C# that refers to the fields of current class.

```
using System;

public class Employee
{
    public int id;
    public String name;
    public float salary;
    public Employee(int id, String name, float salary)
    {
        this.id = id;
        this.name = name;
        this.salary = salary;
    }
    public void display()
    {
        Console.WriteLine(id + " " + name + " " + salary);
    }
}

class TestEmployee{
    public static void Main(string[] args)
    {
        Employee e1 = new Employee(101, "Sonoo", 890000f);
        Employee e2 = new Employee(102, "Mahesh", 490000f);
        e1.display();
        e2.display();
    }
}
```

Output:

101	Sonoo	890000
102	Mahesh	490000