

# C# this

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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.

```
1. using System;
2. public class Employee
3. {
4.     public int id;
5.     public String name;
6.     public float salary;
7.     public Employee(int id, String name,float salary)
8.     {
9.         this.id = id;
10.        this.name = name;
11.        this.salary = salary;
12.    }
13.    public void display()
14.    {
15.        Console.WriteLine(id + " " + name+" "+salary);
16.    }
17. }
18. class TestEmployee{
19.     public static void Main(string[] args)
20.     {
21.         Employee e1 = new Employee(101, "Sonoo", 890000f);
22.         Employee e2 = new Employee(102, "Mahesh", 490000f);
23.         e1.display();
24.         e2.display();
25.
26.     }
```

27. }

Output:

```
101 Sonoo 890000
102 Mahesh 490000
```