



Java this Keyword

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Example

Using **this** with a class attribute (x):

```
public class Main {  
    int x;  
  
    // Constructor with a parameter  
    public Main(int x) {  
        this.x = x;  
    }  
  
    // Call the constructor  
    public static void main(String[] args) {  
        Main myObj = new Main(5);  
        System.out.println("Value of x = " + myObj.x);  
    }  
}
```

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Definition and Usage

The **this** keyword refers to the current object in a method or constructor.

The most common use of the **this** keyword is to eliminate the confusion between class attributes and parameters with the same name (because a class attribute is shadowed by a method or constructor parameter). If you omit the keyword in the example above, the output would be "0" instead of "5".

this can also be used to:

- Invoke current class constructor
- Invoke current class method
- Return the current class object
- Pass an argument in the method call
- Pass an argument in the constructor call

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