

# Keyword : this

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10:41 PM

‘this’ keyword:

"this" is a keyword that refers to the current object in use. It is used in the method of a class. In other words, this keyword refers to the object on which the method was invoked.

Ex1:

```
class test
{
    int a, float b, char c;
    public test ( int a, float f, char
c )
    {
        this. a = a;
        this . b = b;
        this . c = c;
    }
}
```

Ex2:

```
class Complex
{
    int r,i;
    public Complex(int r, int i)
    {
        this.r = r;
        this.i = i;
    }
    public void show()
    {
        System.out.println(r+" "+i+"i");
    }
    public Complex add(Complex x)
    {
        r += x.r; i += x.i;
        return this; // it returns current
object i.e., object ‘a’.
    }
}

public class ComplexDemo
{
    public static void main(String
args[])
    {
        Complex a = new
Complex(3,4);
        Complex b = new
Complex(2,3);
        a.show();
        b.show();
        Complex c = a.add(b);
        c.show();
    }
}
```