

Java Keywords **this**, **super**, **final**.



Java Keywords Simplified – this, super, final.

Understanding these 3 keywords will
help you write cleaner, smarter Java
code.

Let's break them down with real
examples...

this Keyword

Refers to the current object inside a class.

Example:

```
class Student {  
    String name;  
  
    Student(String name) {  
        this.name = name; // 'this' refers to the current object  
    }  
  
    void display() {  
        System.out.println(this.name);  
    }  
}
```

Tip: Use this to avoid confusion between class fields and parameters.

super Keyword

Refers to the parent class (superclass) from a child class.

Example:

```
class Animal {  
    void sound() {  
        System.out.println("Animal sound");  
    }  
}  
  
class Dog extends Animal {  
    void sound() {  
        super.sound(); // calls parent class method  
        System.out.println("Dog barks");  
    }  
}
```

Tip: Useful in inheritance to call the parent's constructor or methods.

final Keyword

Makes something unchangeable.

Example 1: Final Variable

```
final int MAX = 100; // Cannot change after this
```

Example 2: Final Method

```
class A {  
    final void show() { }  
}
```

✅ Example 3: Final Class

```
final class Utility { }  
// Can't extend this class
```

Tip: final = no changes allowed. Constant values, safe methods, sealed classes.

Summary + Motivation

✓ this → Refers to current object

✓ super → Refers to parent class

✓ final → Stops changes (constant, method, or class)