this Reference Variable

The this reference variable exists for every class. It refers to the class object itself. We use the this when we have an argument which has the same name as a data member. this memberName specifies that we are accessing the memberName variable of the particular class.

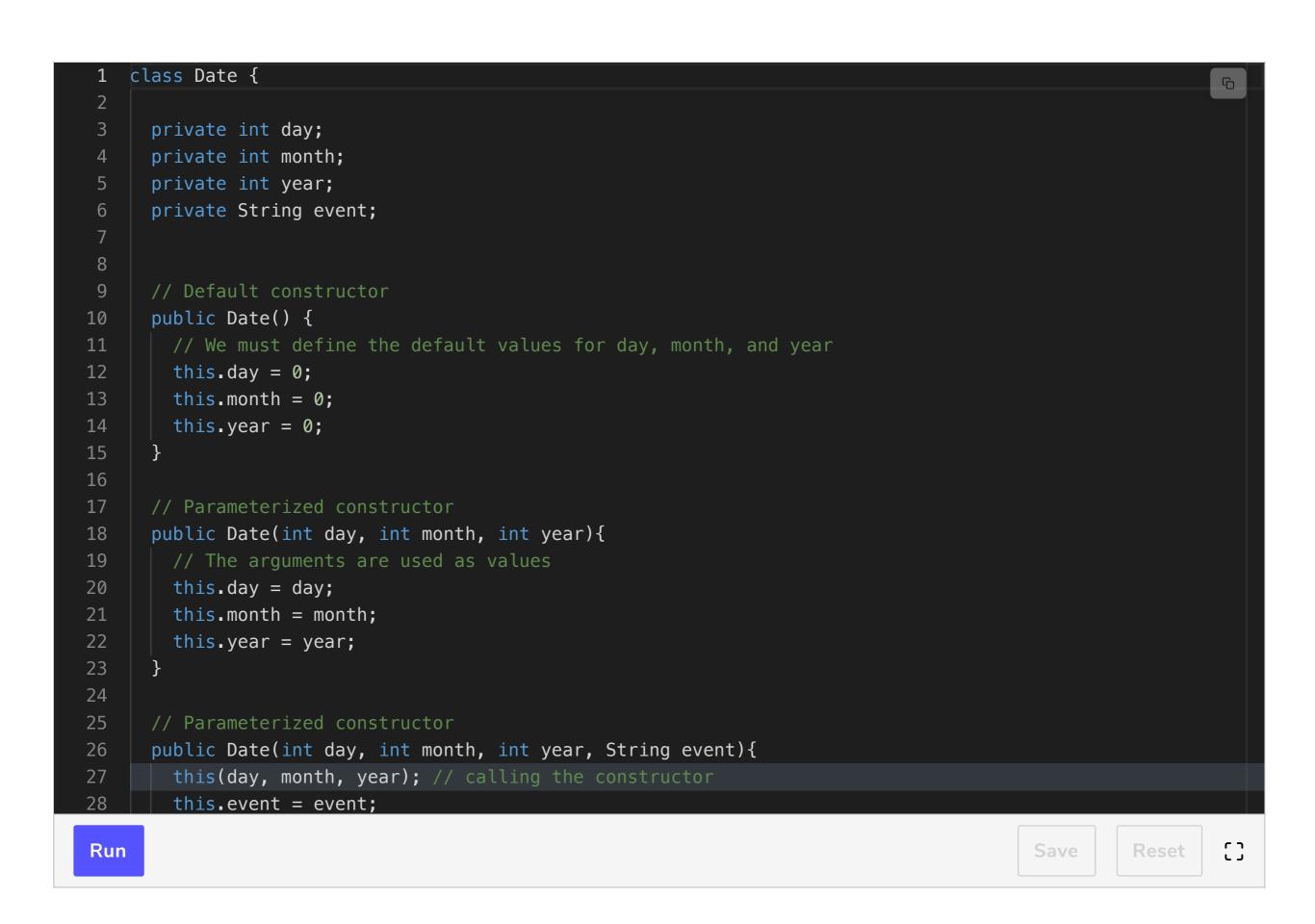
Let's see it in action:

```
class Date {
      private int day;
      private int month;
 5
      private int year;
      // Default constructor
      public Date() {
       // We must define the default values for day, month, and year
10
11
        this.day = 0;
        this.month = 0;
12
       this.year = 0;
13
14
15
16
      // Parameterized constructor
      public Date(int day, int month, int year){
17
       // The arguments are used as values
18
        this.day = day;
19
20
        this.month = month;
21
        this.year = year;
22
23
     // A simple print function
24
     public void printDate(){
25
        System.out.println("Date: " + day + "/" + month + "/" + year);
26
27
28
Run
                                                                                                           LJ
```

Calling a Constructor from a Constructor

In Java, we can call a constructor from a constructor. When you call a constructor from another constructor, you use the this keyword to refer to the constructor.

Let's see it in action:



The this keyword followed by parentheses means that another constructor in the same Java class is being called. At line 27 the second constructor in the class is being called.