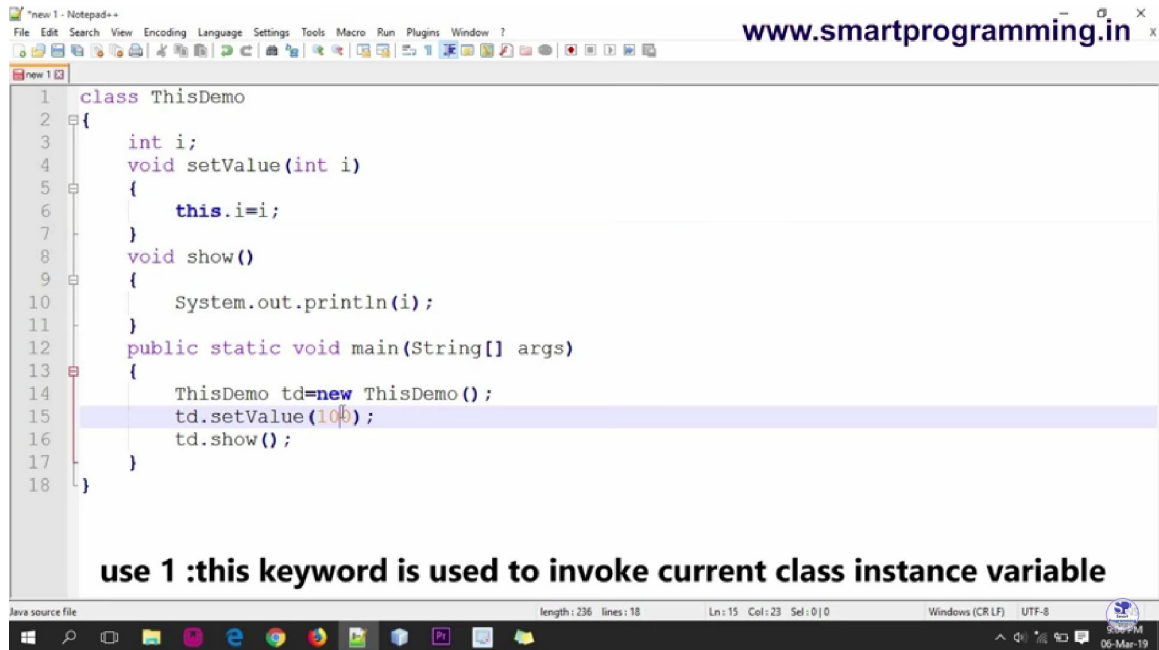


# THIS KEYWORD.



```
1 class ThisDemo
2 {
3     int i;
4     void setValue(int i)
5     {
6         this.i=i;
7     }
8     void show()
9     {
10        System.out.println(i);
11    }
12    public static void main(String[] args)
13    {
14        ThisDemo td=new ThisDemo();
15        td.setValue(100);
16        td.show();
17    }
18 }
```

use 1 :this keyword is used to invoke current class instance variable

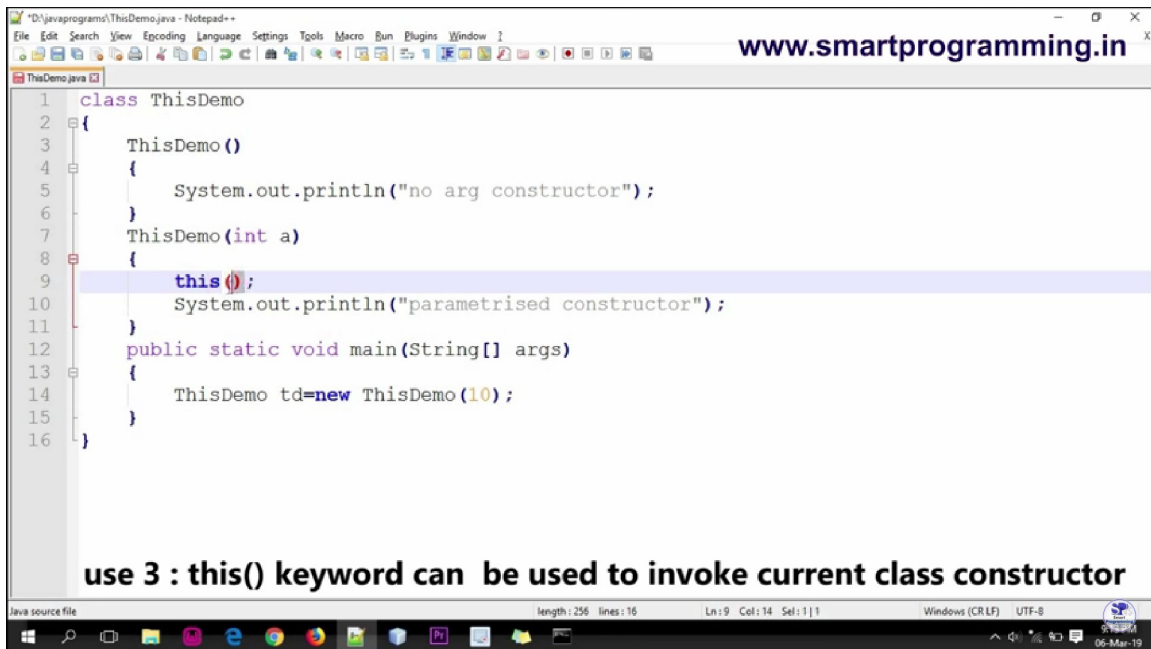
www.smartprogramming.in

```
1 class ThisDemo
2 {
3     void display()
4     {
5         System.out.println("hello");
6     }
7     void show()
8     {
9         this.display();
10    }
11    public static void main(String[] args)
12    {
13        ThisDemo td=new ThisDemo();
14        td.show();
15    }
16 }
```

If you don't use the **this** keyword, compiler automatically adds **this** keyword while invoking the method.

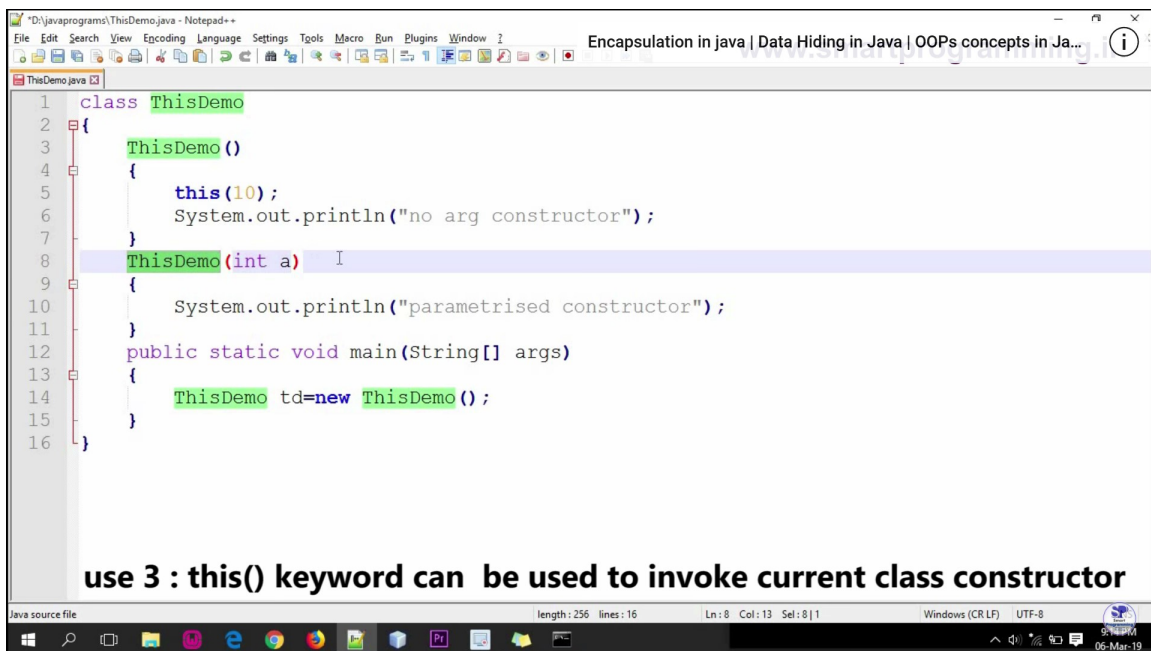
**use 2 : this keyword can be used to invoke current class method (implicitly)**

Java source file length: 212 lines: 16 Ln: 9 Col: 14 Sel: 0 | 0 Windows (CR LF) UTF-8 05-Mar-19



```
1 class ThisDemo
2 {
3     ThisDemo()
4     {
5         System.out.println("no arg constructor");
6     }
7     ThisDemo(int a)
8     {
9         this();
10        System.out.println("parametrised constructor");
11    }
12    public static void main(String[] args)
13    {
14        ThisDemo td=new ThisDemo(10);
15    }
16 }
```

**use 3 : this() keyword can be used to invoke current class constructor**



```
1 class ThisDemo
2 {
3     ThisDemo()
4     {
5         this(10);
6         System.out.println("no arg constructor");
7     }
8     ThisDemo(int a)
9     {
10        System.out.println("parametrised constructor");
11    }
12    public static void main(String[] args)
13    {
14        ThisDemo td=new ThisDemo();
15    }
16 }
```

**use 3 : this() keyword can be used to invoke current class constructor**

Using this() keyword in constructor we can achieve constructor chaining.

www.smartprogramming.in

```
1 class ThisDemo
2 {
3     void m1(ThisDemo td)
4     {
5         System.out.println("m in m1 method");
6     }
7     void m2()
8     {
9         m1(this);
10    }
11    public static void main(String[] args)
12    {
13        ThisDemo td=new ThisDemo();
14        td.m2();
15    }
16 }
```

For more updates Press the  
Subscribe & "Bell Icon"  
Our Channel

**use 4 : this keyword can be used to pass as an argument in the method call**

Java source file length: 218 lines: 16 Ln: 14 Col: 17 Sel: 0|0 Windows (CR LF) UTF-8 05-Mar-19

6 Uses of this keyword | this keyword in java Hindi

www.smartprogramming.in



```
1 class Test
2 {
3     Test(ThisDemo td)
4     {
5         System.out.println("test class constructor");
6     }
7 }
8 class ThisDemo
9 {
10    void m1()
11    {
12        Test t=new Test(this);
13    }
14    public static void main(String[] args)
15    {
16        ThisDemo t=new ThisDemo();
17        t.m1();
18    }
19 }
```

**use 5 : this keyword can be used to pass as an argument in the constructor call.**

Java source file length: 251 lines: 19 Ln: 5 Col: 51 Sel: 22|1 Windows (CR LF) UTF-8 05-Mar-19

www.smartprogramming.in

```
1
2 class ThisDemo
3 {
4     ThisDemo m1()
5     {
6         return this;
7     }
8     public static void main(String[] args)
9     {
10        ThisDemo t=new ThisDemo();
11        t.m1();
12    }
13 }
```

For more updates  [Subscribe](#) & [Press the "Bell icon"](#)  
Our Channel 

**use 6 : this keyword can be used to return the current class instance from the method**

Java source file length: 152 lines: 13 Ln: 6 Col: 20 Sel: 4 | 1 Windows (CR LF) UTF-8 06-Mar-19