this keyword

❏ The **this** object reference is a local variable in instance member methods referring the caller object

❏ **this** keyword is used as a reference to the current object which is an instance of the current class

❏ The **this** reference to the current object is useful in situations where a local variable hides, or shadows, a field with the same name.

this

- If a method needs to pass the current object to another method, it can do so using the this reference.

- Note that the this reference cannot be used in a static context, as static code is not executed in the context of any object

```java
1    class Box
2    {
3      private int l,b,h;
4      public void setDimension(int l,int b,int h) //instance member function
5      { this.l=l; this.b=b; this.h=h; }
6      public void sendBox()
7      {
8        GiftTaker gf=new GiftTaker();
9        gf.acceptGift(this);
10     }
11   }
12   public class Example
13   {
14     public static void main(String[]args) //static member function
15     {
16       Box b1=new Box();
17       b1.setDimension(12,10,5);
18       b1.sendBox();
19     }
20   }
```