**this keyword**

this keyword is used to refer current class instance variable.

this keyword is used to refer current class object.

When local variable and instance variable are same, local variable hides the instance variable

So this keyword is used to refer current class instance variable

**Example :**

**class Shop {**

**int i=10; // instance variable**

**void meth() {**

**int i=20; // local variable**

**System.*out*.println("value of i is : "+i);//20**

**System.*out*.println("value of i is : "+this.i); //10**

**}**

**}**

**public class ThisDemo {**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**Shop s1=new Shop();**

**s1.meth();**

**}**

**}**

**Passing argument as object reference**

**class Medical {**

**int i=10;**

**void display() {**

**System.*out*.println("bill payment "+i);**

**}**

**}**

**class Pharm {**

**void display1(Medical ob) {**

**ob.display();**

**}**

**}**

**public class PassingObjectReference {**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**Pharm p1=new Pharm();**

**Medical m1=new Medical();**

**p1.display1(m1);**

**}**

**}**

**Returning an object**

**Return type can be a primitive type**

**Return type can be a void**

**Return type can be a class type**

**Example :**

**class Medical {**

**int i=10;**

**void display() {**

**System.*out*.println("bill payment "+i);**

**}**

**}**

**class Pharm {**

**Medical display1(Medical ob) {**

**ob.i=20;**

**return ob;**

**}**

**}**

**public class PassingObjectReference {**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**Pharm p1=new Pharm();**

**Medical m1=new Medical();**

**Medical m2=p1.display1(m1);**

**m2.display();**

**}**

**}**