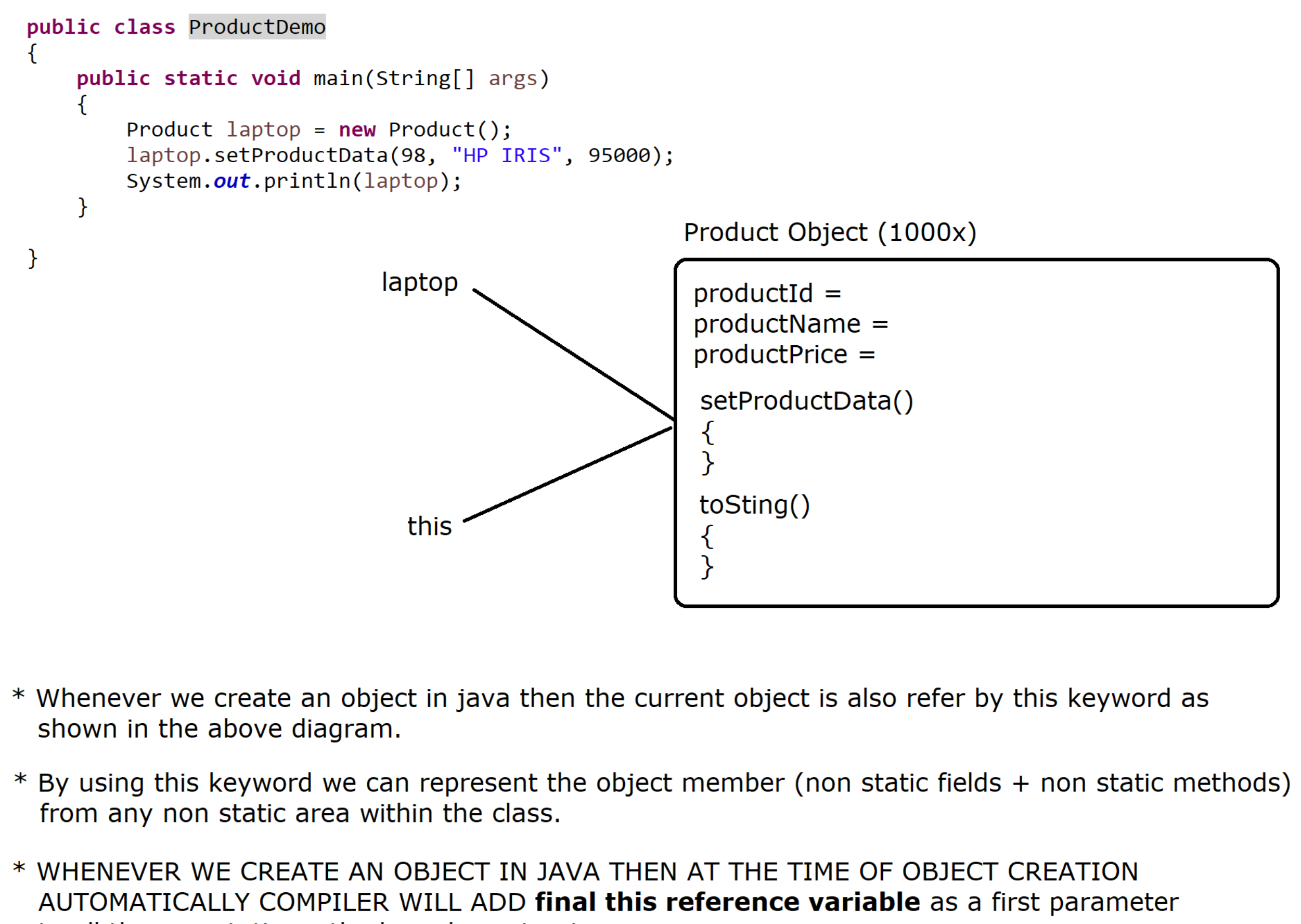
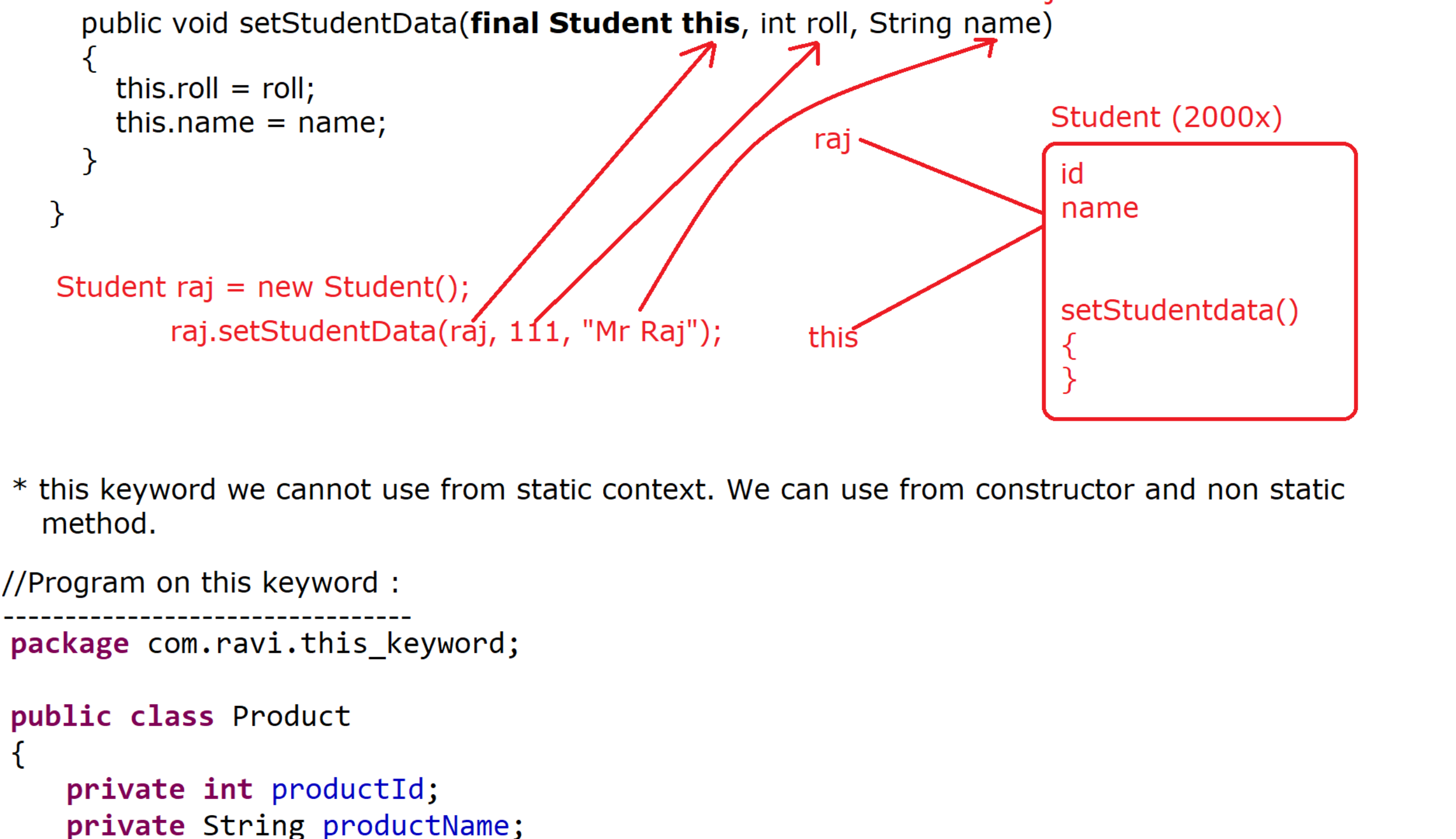


- this keyword in java :

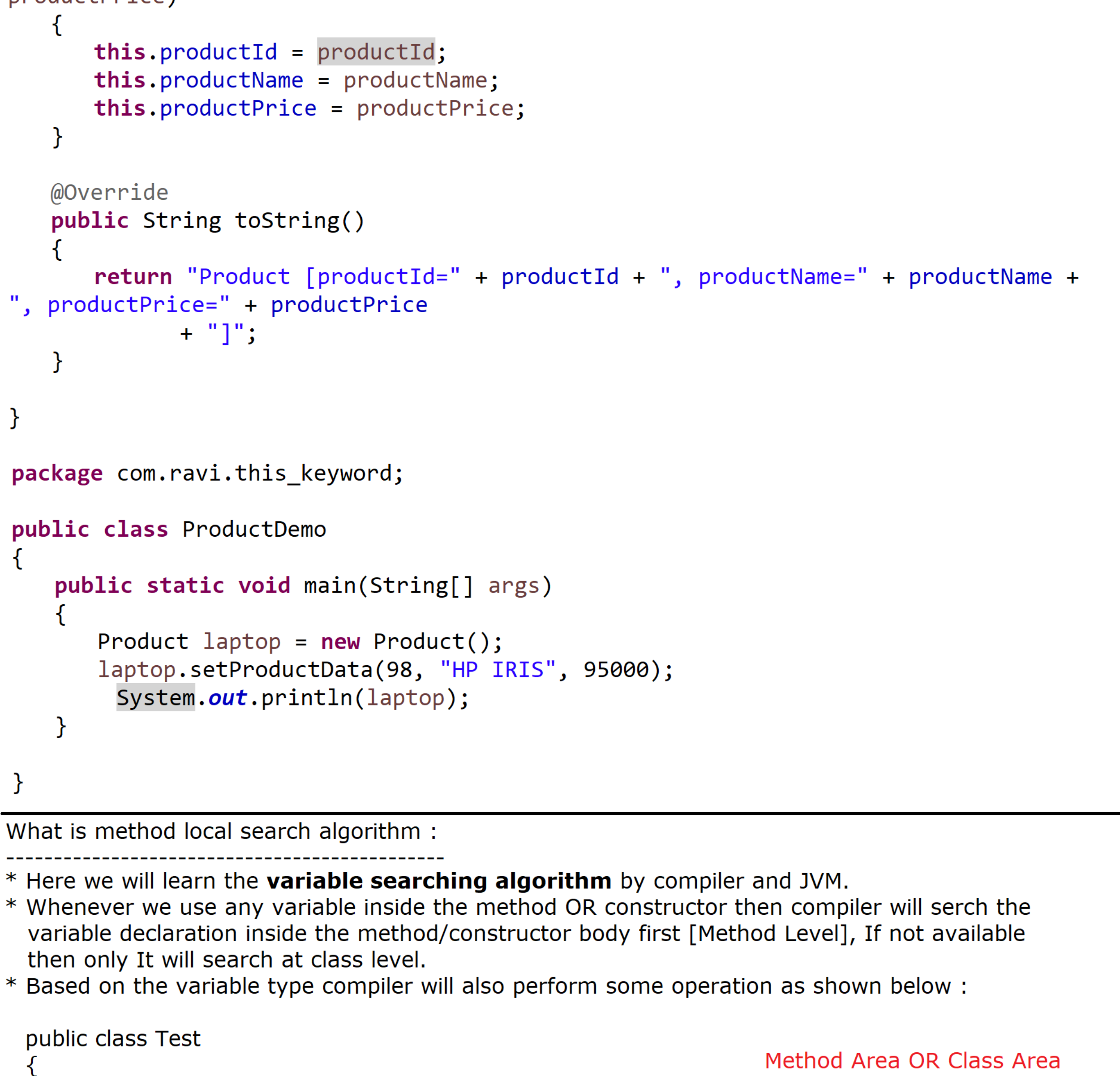
As we know inside the method /constructor / block, method level variables are having more priority than class level variable.
- * Whenever instance variable name and local/parameter variable name both are exactly same then inside the method /constructor / block body always method level variables are having more priority.
- * If We want to represent instance variable from the method /constructor / block body then we should use this keyword, if instance variable and method level variables both are having same name.



- * Whenever we create an object in java then the current object is also refer by this keyword as shown in the above diagram.
- * By using this keyword we can represent the object member (non static fields + non static methods) from any non static area within the class.
- * WHENEVER WE CREATE AN OBJECT IN JAVA THEN AT THE TIME OF OBJECT CREATION AUTOMATICALLY COMPILER WILL ADD **final this reference variable** as a first parameter to all the non static methods and constructors.



- * this keyword we cannot use from static context. We can use from constructor and non static method.



What is method local search algorithm :

- * Here we will learn the **variable searching algorithm** by compiler and JVM.
- * Whenever we use any variable inside the method OR constructor then compiler will search the variable declaration inside the method/constructor body first [Method Level], If not available then only It will search at class level.
- * Based on the variable type compiler will also perform some operation as shown below :

