# OBJECT ORIENTED PROGRAMMING LABORATORY WORK

# MODULE 4


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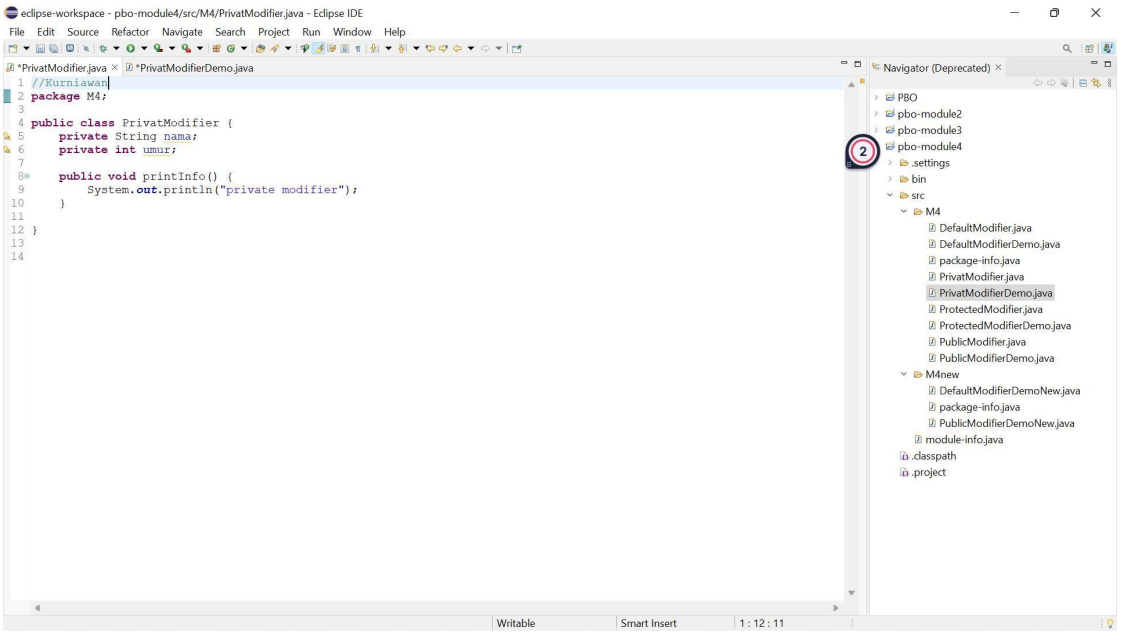
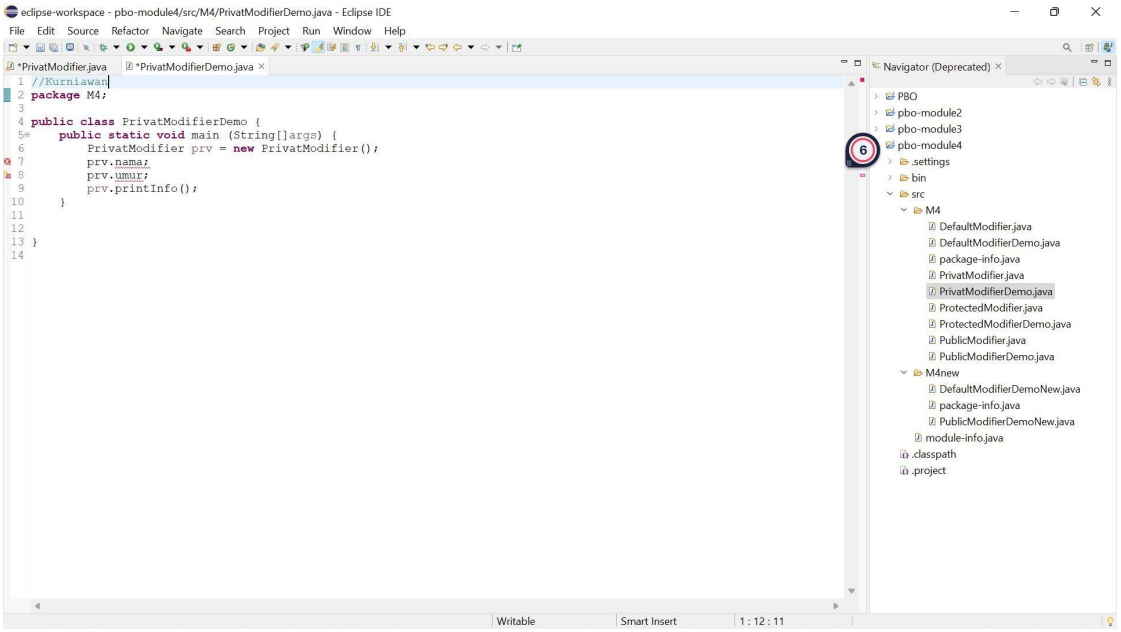
## 1. Private Modifier

Rewrite the code from program 1, and create a new class to access variables from program 1.



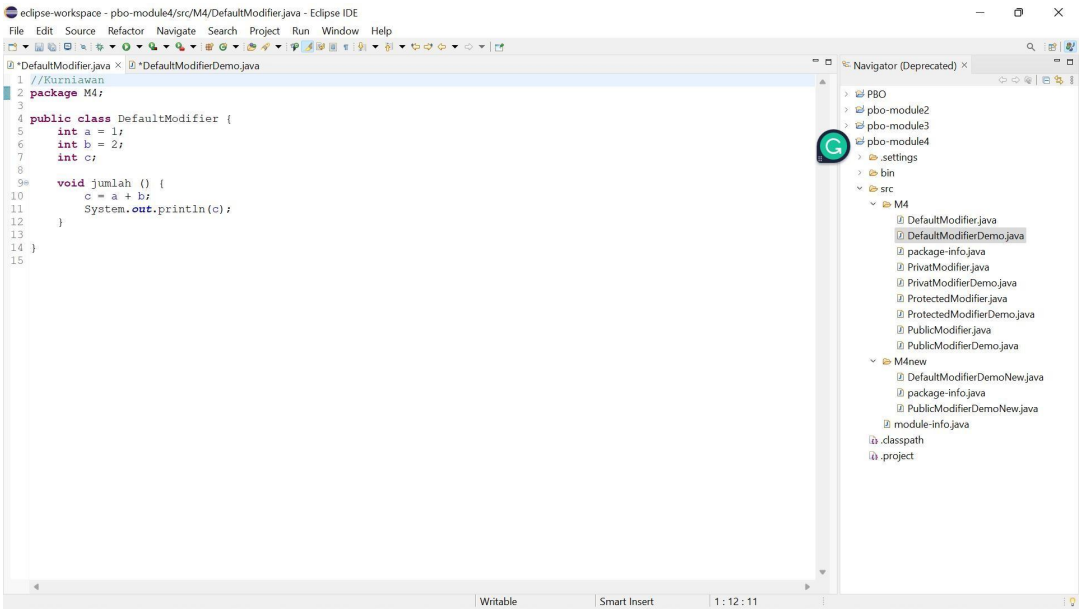

Output :

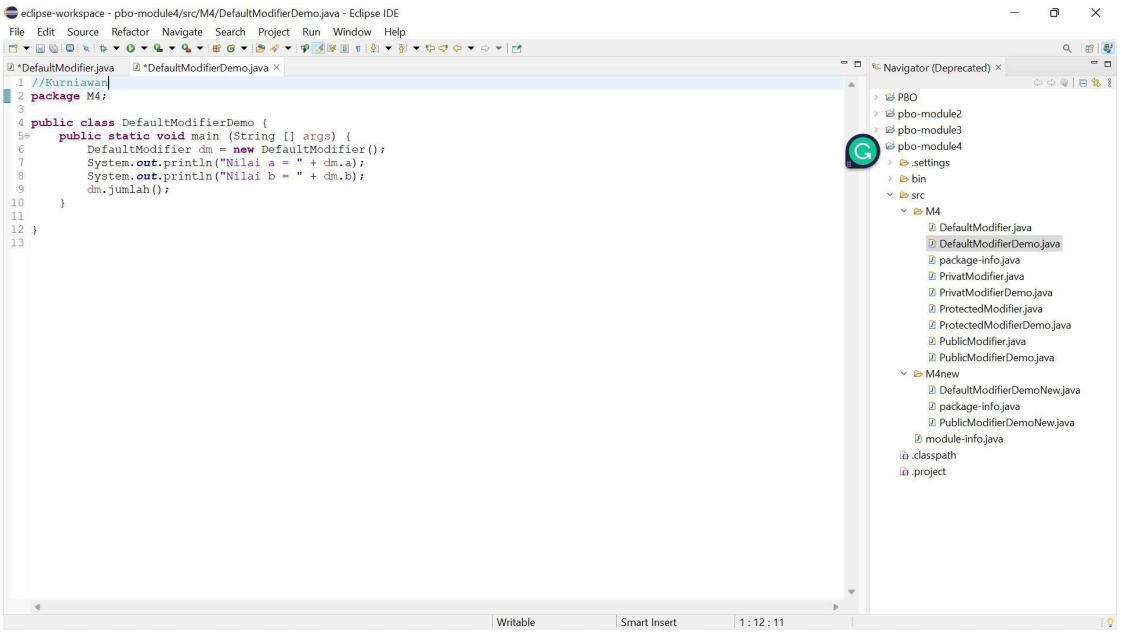

**2.** Can these variables be accessed in other classes?

Cannot be accessed in other classes, because the variable is a private variable. So to call the variable it must be in one class, it cannot be called in another class.

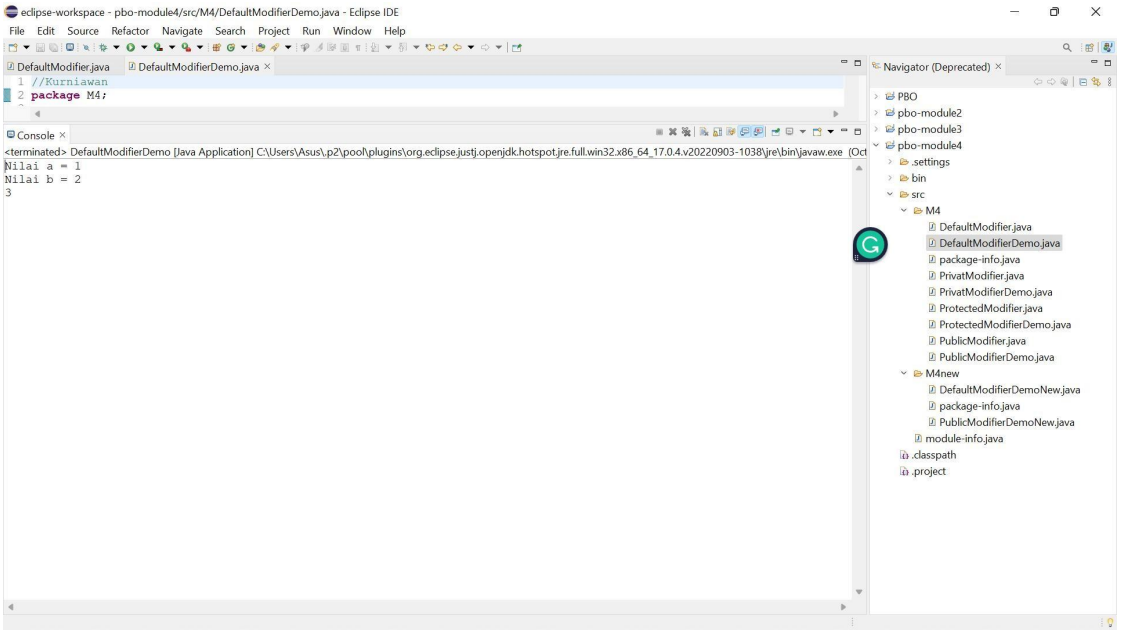
## 2.Default Modifier

Rewrite the code from program 2, and create a new class to access the variables and methods of program 2.



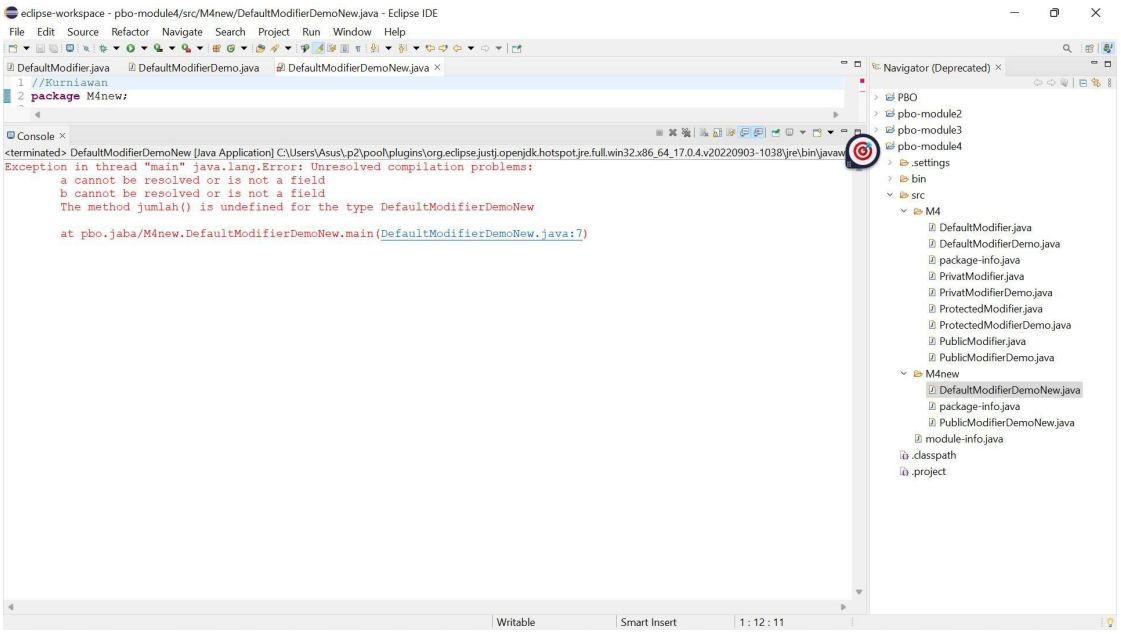



Output:

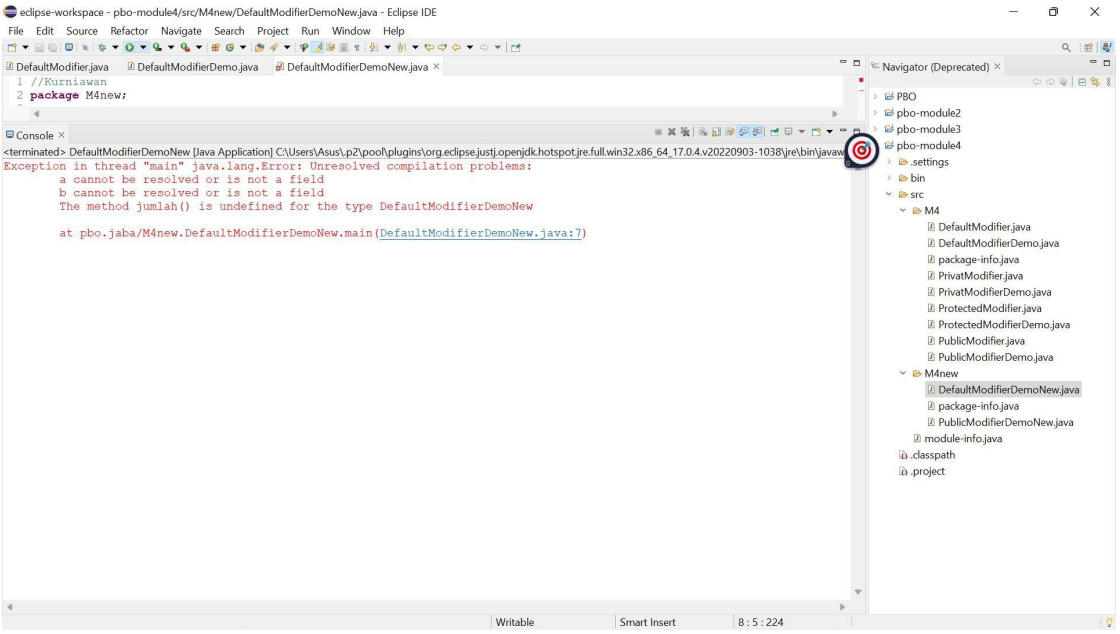



>> From the code above, it can be concluded that the default modifier can be accessed in different classes but in the same package.

2. Create a new package to access variables in the DefaultModifier class.



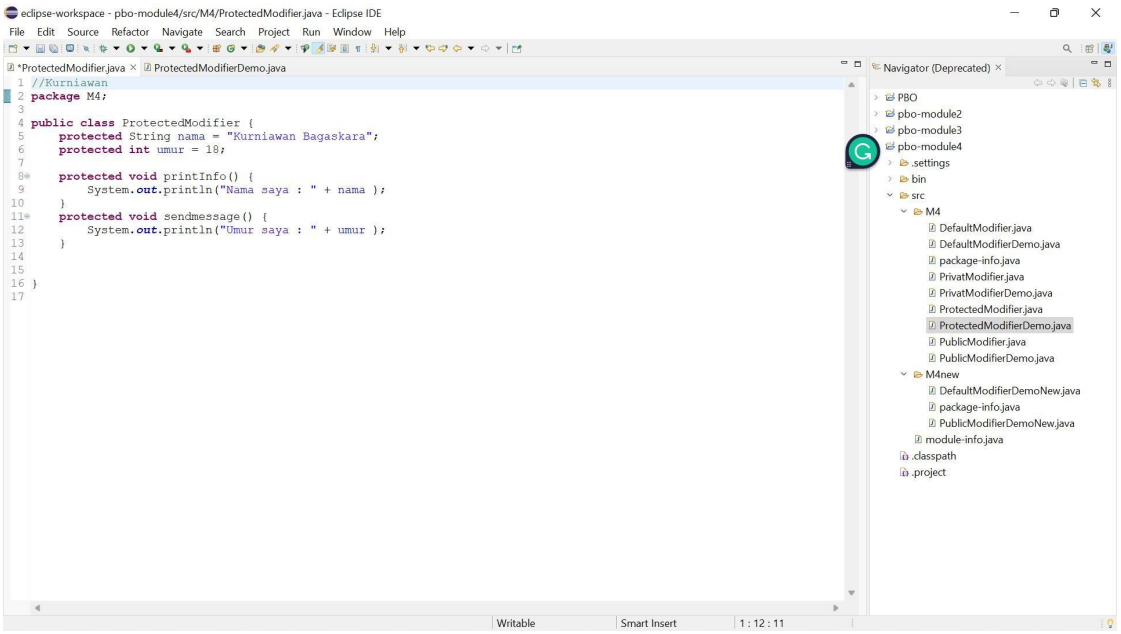

Output :

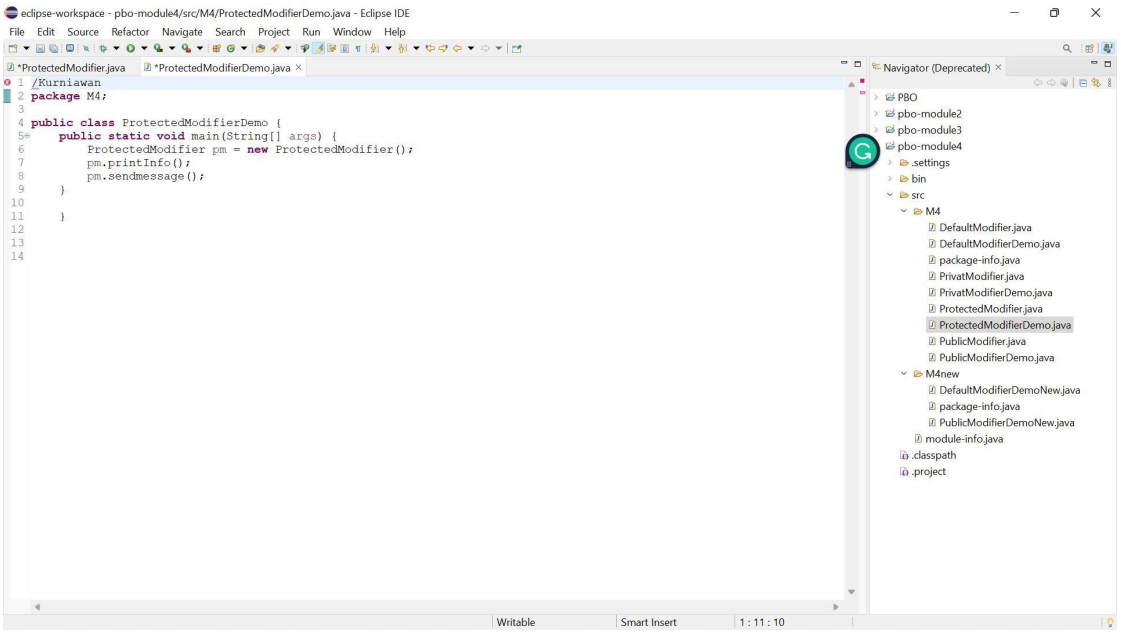



>>From the code above it can be concluded that the default modifier cannot be accessed in different packages. The default modifier can only be accessed in one package but can be in different classes.

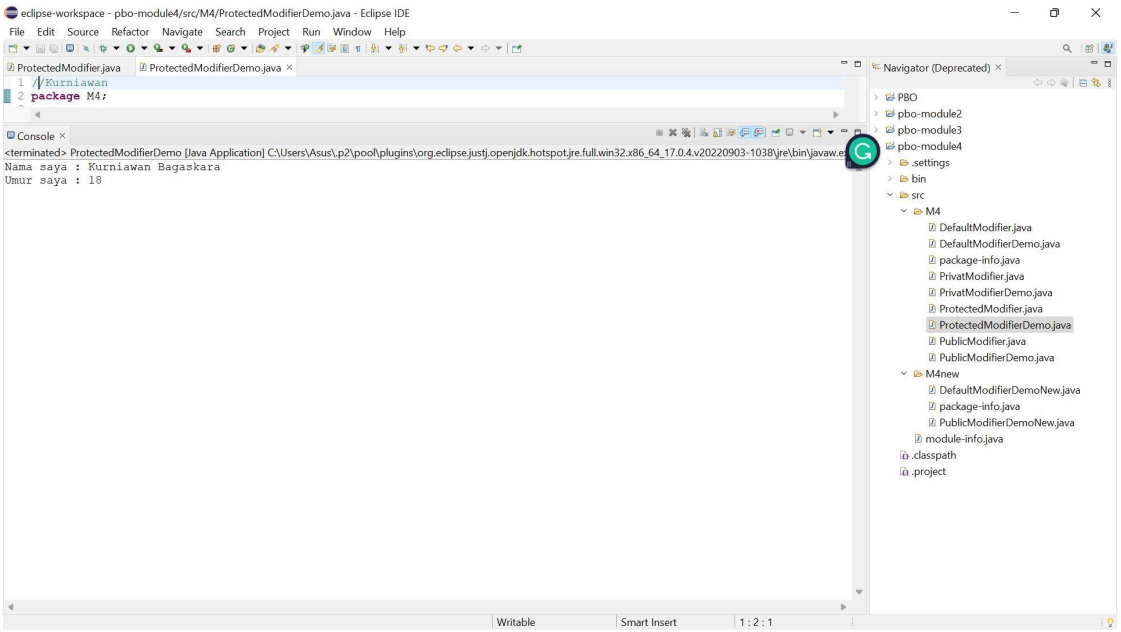
## 3.Protected Modifier

Rewrite the code from program 3, and create a new class and its objects to access the methods of program 3.



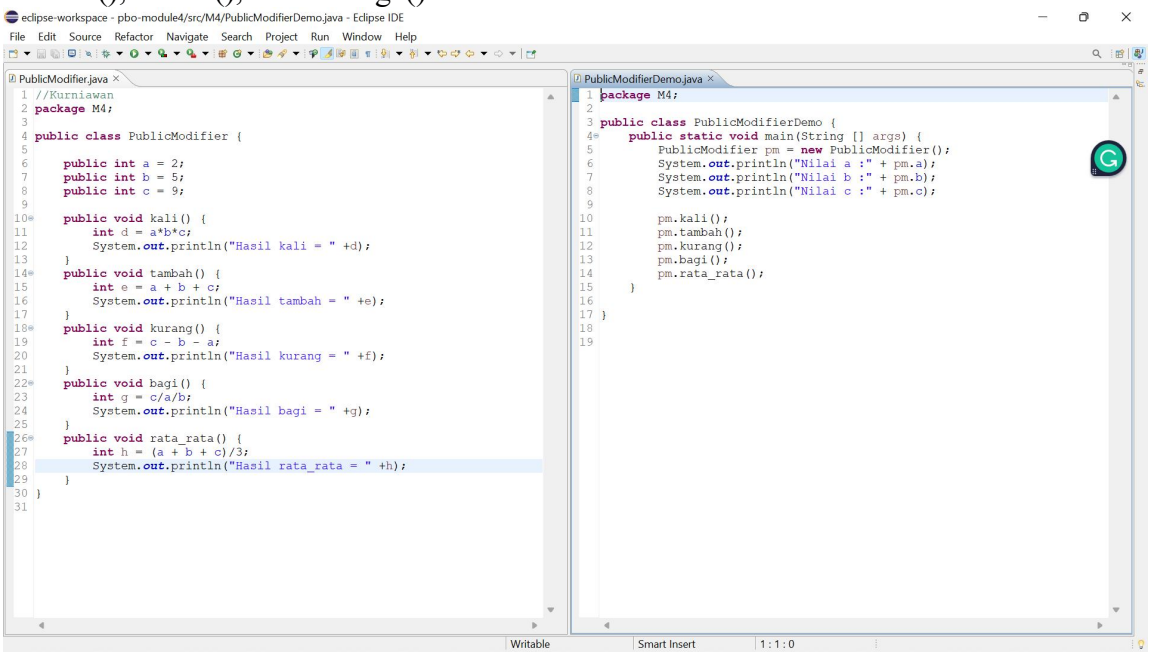

Output :



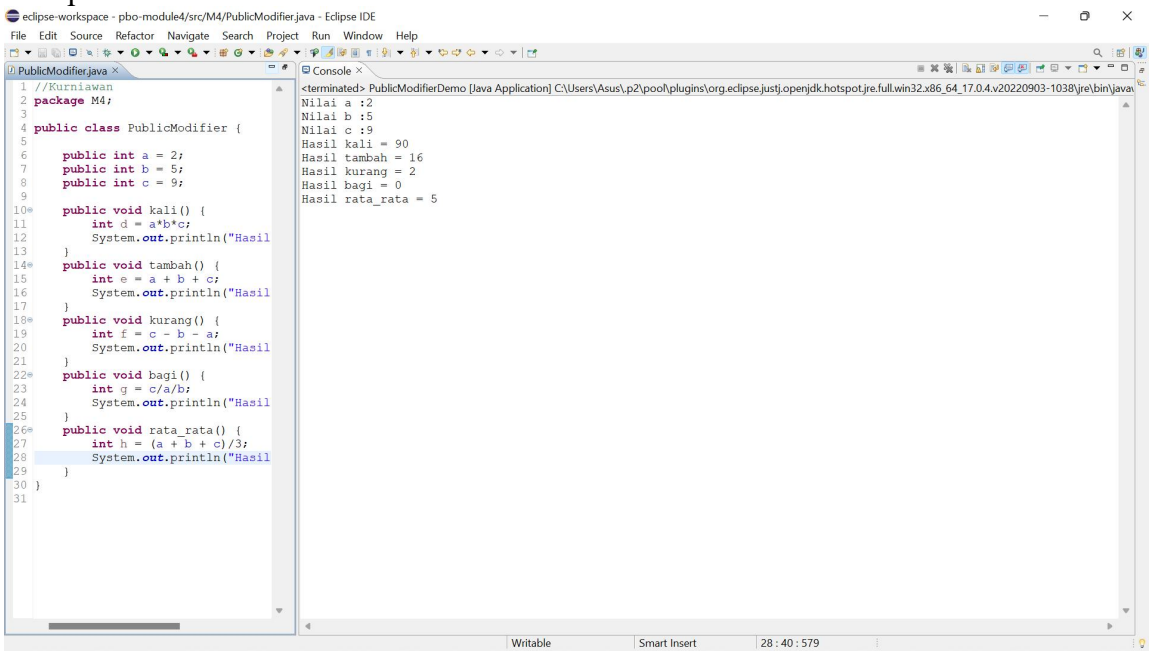

>> Protected Modifier can be accessed by the class itself, other classes in one package, and its subclasses in other packages. When compared to private and default modifiers, protected modifiers can be accessed in subclasses in other packages. While private and default can not.

## 4. Public Modifier

Do the experiment as in Exercise 4.2.1, and add new methods including add(), minus(), divide(), and average().



Output :

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>>Public modifiers can be accessed in the class itself or from various classes. Public modifiers can also be accessed in different packages.