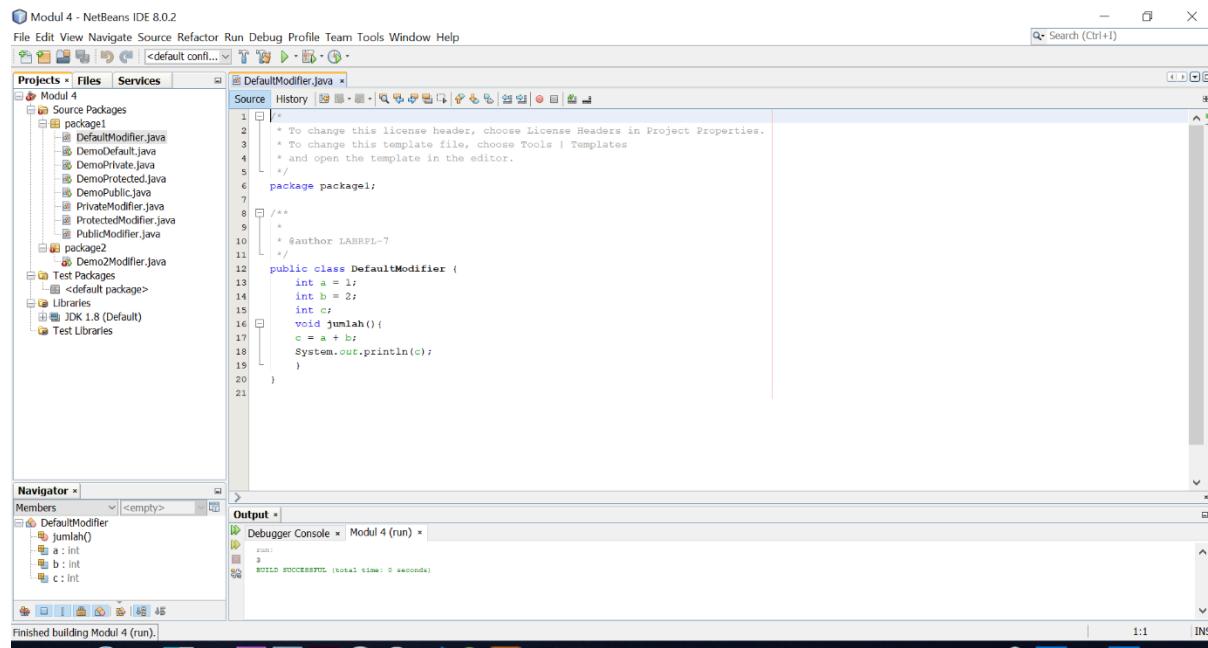


Nama : Rahmat Beny Susanto

Nim : L200180079

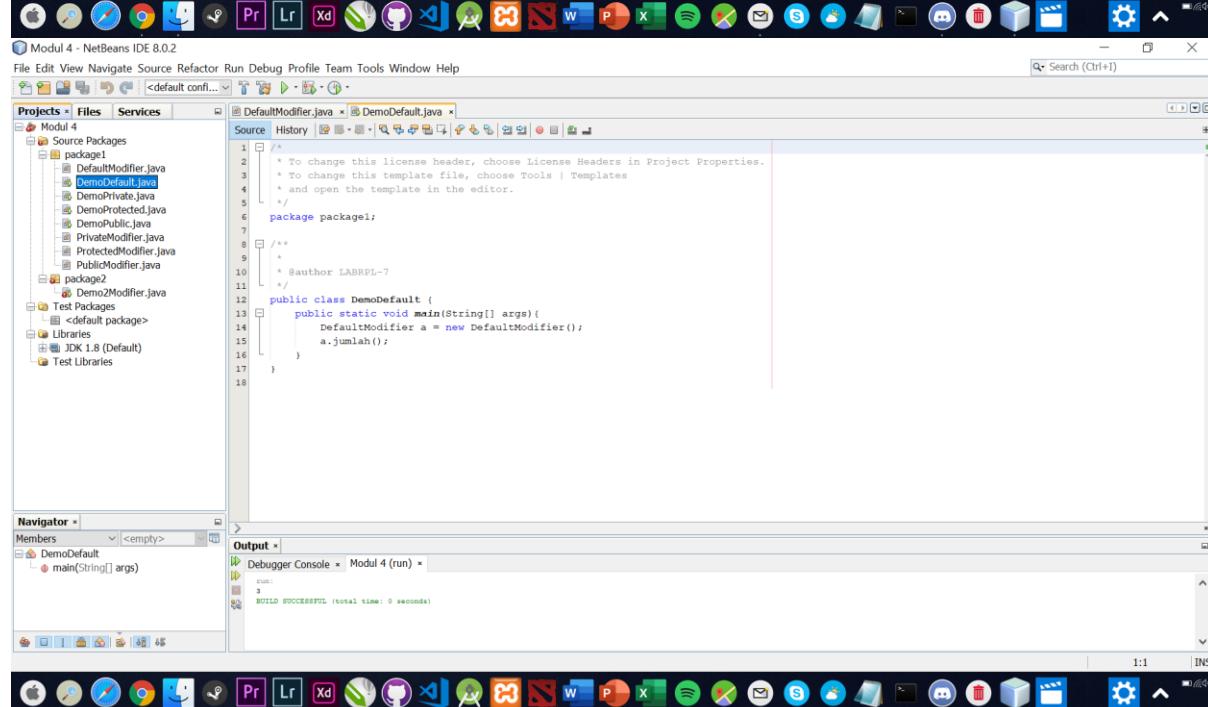
Kelas : B

## Default Modifier



The screenshot shows the NetBeans IDE interface with the title "Modul 4 - NetBeans IDE 8.0.2". The "Source" tab of the DefaultModifier.java file is selected. The code defines a class DefaultModifier with a static method jumlah() that adds two integers and prints the result. The Navigator pane shows the members of the class, and the Output pane shows a successful build message.

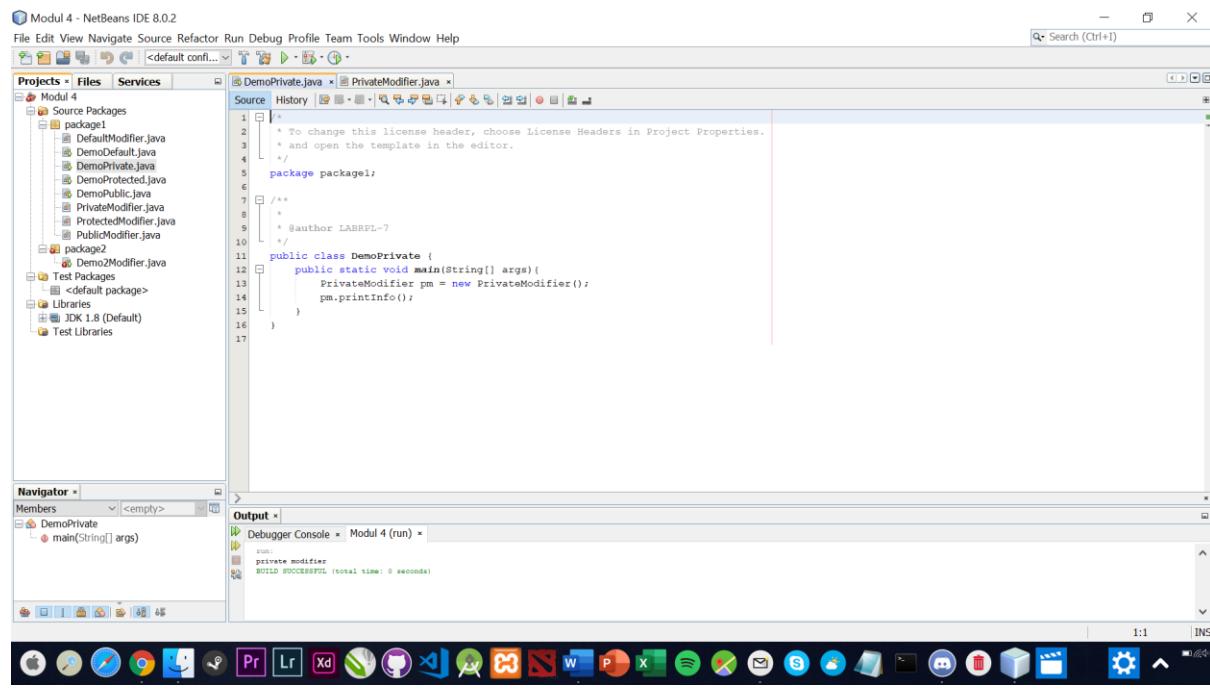
```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package package1;
7
8  /**
9  *
10 * @author LABRPL-7
11 */
12 public class DefaultModifier {
13     int a = 1;
14     int b = 2;
15     int c;
16     void jumlah(){
17         c = a + b;
18         System.out.println(c);
19     }
20 }
```



The screenshot shows the NetBeans IDE interface with the title "Modul 4 - NetBeans IDE 8.0.2". The "Source" tab of the DemoDefault.java file is selected. The code defines a class DemoDefault with a main() method that creates an instance of DefaultModifier and calls its jumlah() method. The Navigator pane shows the main() method, and the Output pane shows a successful build message.

```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package package1;
7
8  /**
9  *
10 * @author LABRPL-7
11 */
12 public class DemoDefault {
13     public static void main(String[] args){
14         DefaultModifier a = new DefaultModifier();
15         a.jumlah();
16     }
17 }
```

## Private Modifier



Modul 4 - NetBeans IDE 8.0.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services <default config... > Projects DemoPrivate.java PrivateModifier.java

Source History <empty> Search (Ctrl+I)

Source

```
1 /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6 package package1;
7
8 /**
9  * @author LABRPL-7
10 */
11 public class DemoPrivate {
12     public static void main(String[] args) {
13         PrivateModifier pm = new PrivateModifier();
14         pm.printInfo();
15     }
16 }
17
```

Navigator

Members <empty>

Output

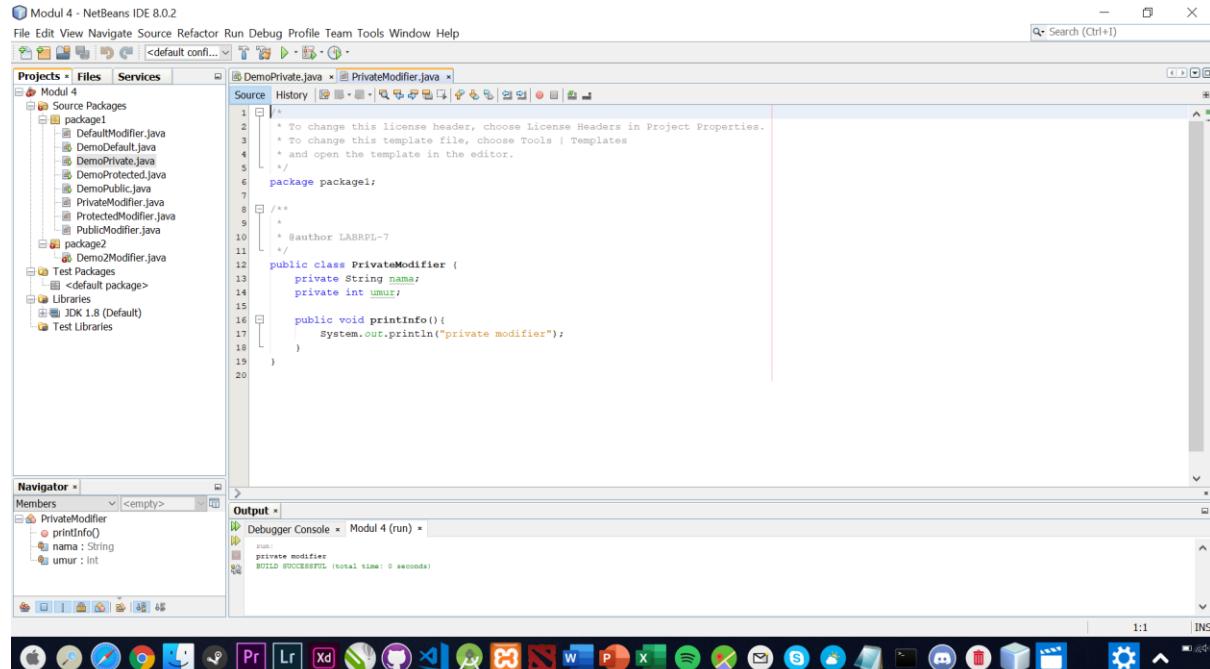
Debugger Console Modul 4 (run) >

run:

private modifier

BUILD SUCCESSFUL (total time: 0 seconds)

1:1 INS



Modul 4 - NetBeans IDE 8.0.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services <default config... > Projects DemoPrivate.java PrivateModifier.java

Source History <empty> Search (Ctrl+I)

Source

```
1 /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6 package package1;
7
8 /**
9  * @author LABRPL-7
10 */
11 public class PrivateModifier {
12     private String nama;
13     private int umur;
14
15     public void printInfo() {
16         System.out.println("private modifier");
17     }
18 }
19
20
```

Navigator

Members <empty>

PrivateModifier

printInfo()

nama : String

umur : int

Output

Debugger Console Modul 4 (run) >

run:

private modifier

BUILD SUCCESSFUL (total time: 0 seconds)

1:1 INS

## Protected Modifier

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul 4 - NetBeans IDE 8.0.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Search Bar:** Search (Ctrl+F) at the top right.
- Projects Tab:** Projects, Files, Services. The Projects section shows a tree view of packages and files under Modul 4.
- Code Editor:** The main window displays the content of ProtectedModifier.java. The code defines a package named package1 and a class ProtectedModifier with two methods: printInfo() and sendMessage().

```
1 package package1;
2
3 * To change this license header, choose License Headers in Project Properties.
4 * To change this template file, choose Tools | Templates
5 * and open the template in the editor.
6 */
7
8 /**
9 * @author LABRFL-7
10 */
11
12 public class ProtectedModifier {
13     protected void printInfo(){
14         System.out.println("Protected Modifier");
15     }
16     protected void sendMessage(){
17         System.out.println("this is a message");
18     }
19 }
20
```

- Navigator:** Shows the members of the ProtectedModifier class: printInfo() and sendMessage().
- Output:** Debugger Console for Modul 4 (run). It shows the execution results:

```
run:
Protected Modifier
this is a message
BUILD SUCCESSFUL (total time: 0 seconds)
```

The screenshot shows the NetBeans IDE interface with the title "Modul 4 - NetBeans IDE 8.0.2". The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, and a search bar. The bottom toolbar contains various icons for file operations like Open, Save, Print, and Find.

The left sidebar displays the project structure under "Module 4":

- Source Packages:
  - package1
    - DefaultModifier.java
    - DemoDefault.java
    - DemoPrivate.java
    - DemoProtected.java
    - DemoPublic.java
    - PrivateModifier.java
    - ProtectedModifier.java
    - PublicModifier.java
  - package2
    - Demo2Modifier.java- Test Packages
  - <default package>
- Libraries
  - JDK 1.8 (Default)
  - Test Libraries

The main editor window shows the Java file `DemoProtected.java` with the following code:

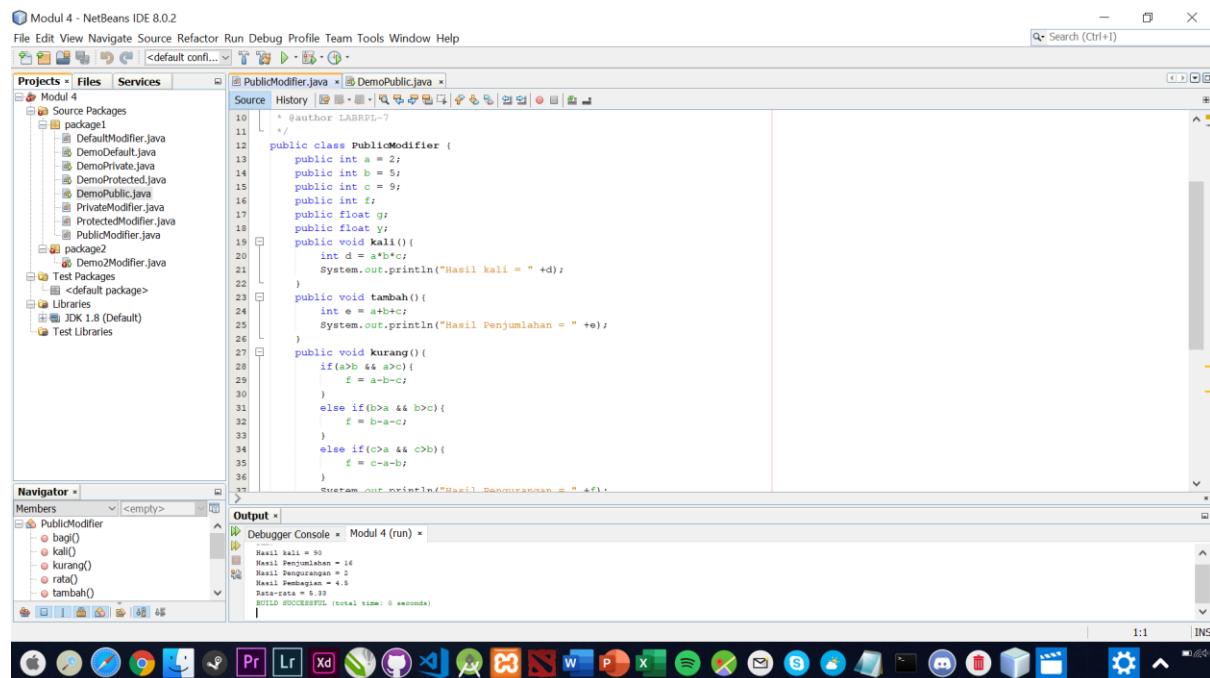
```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package package1;
7
8  /**
9  * 
10 * @author LABREL-7
11 */
12 public class DemoProtected {
13     public static void main(String[] args){
14         ProtectedModifier c = new ProtectedModifier();
15         c.printInfo();
16         c.sendMessage(); //dapat diakses oleh class lain dalam package yang sama
17     }
18 }
```

The Navigator panel shows the members of the `DemoProtected` class, specifically the `main` method.

The Output panel shows the results of running the application:

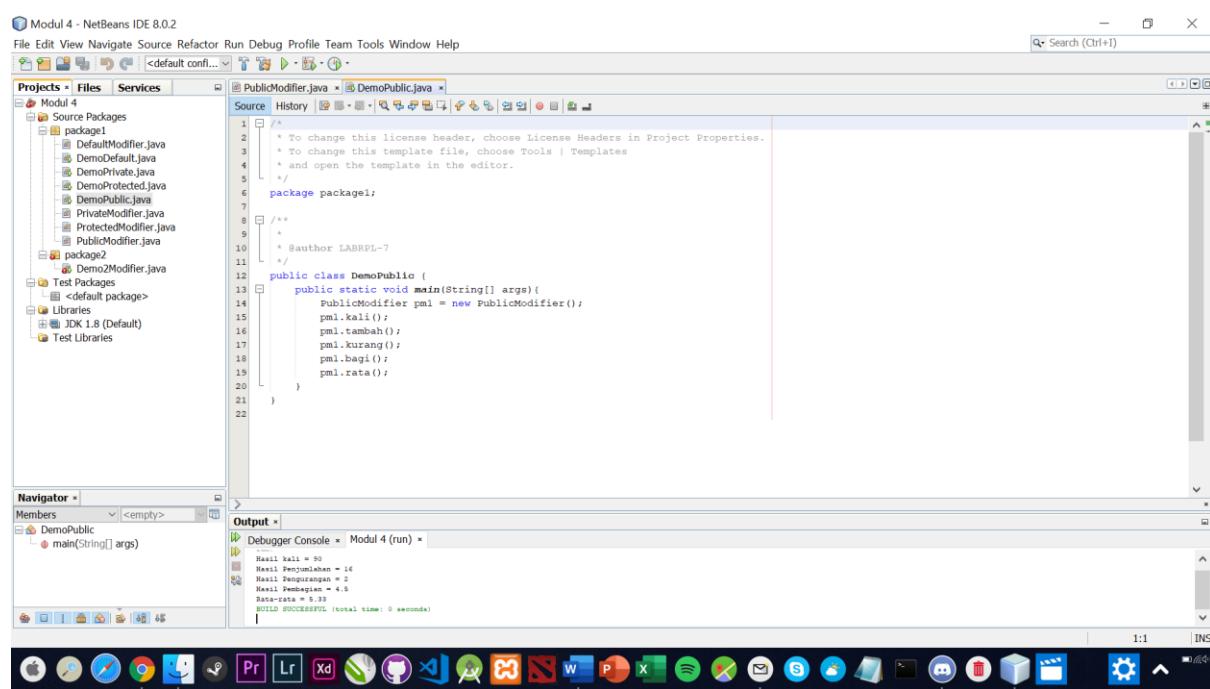
```
run
protected Modifier
this is a message
BUILD SUCCESSFUL (total time: 0 seconds)
```

## Public Modifier



The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul 4 - NetBeans IDE 8.0.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Project Explorer:** Shows a project named "Modul 4" with several source packages and files under "Source Packages".
- Code Editor:** Displays the content of `PublicModifier.java`. The code defines a class `PublicModifier` with methods `kali()`, `tambah()`, and `kurang()`. It also contains a main method `main(String[] args)` that creates an instance of `PublicModifier` and calls its methods.
- Output Window:** Shows the results of the run, including the output of `System.out.println` statements and a message indicating a successful build.
- Navigator:** Shows the members of the `PublicModifier` class.
- Status Bar:** Shows the current time as 1:1 and the mode as INS.



The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul 4 - NetBeans IDE 8.0.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Project Explorer:** Shows a project named "Modul 4" with several source packages and files under "Source Packages".
- Code Editor:** Displays the content of `DemoPublic.java`. The code defines a class `DemoPublic` with a static main method that creates an instance of `PublicModifier` and calls its methods.
- Output Window:** Shows the results of the run, including the output of `System.out.println` statements and a message indicating a successful build.
- Navigator:** Shows the members of the `DemoPublic` class.
- Status Bar:** Shows the current time as 1:1 and the mode as INS.

