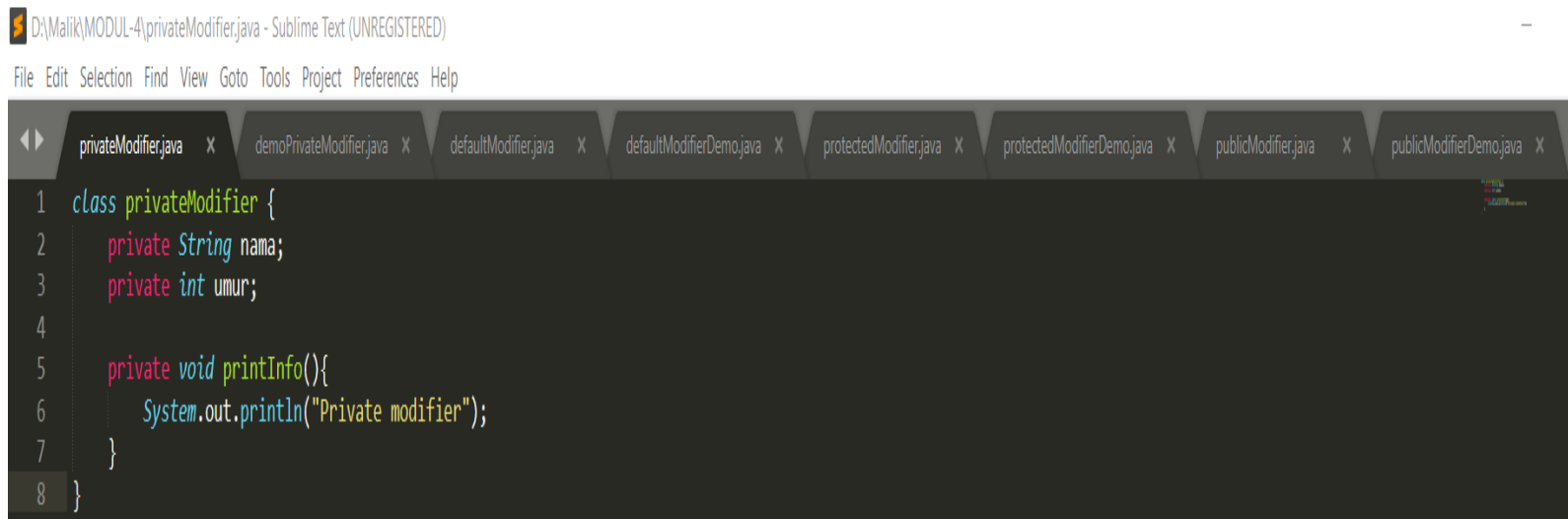


NAMA : MALIK MUHAMMAD

NIM : L200180072

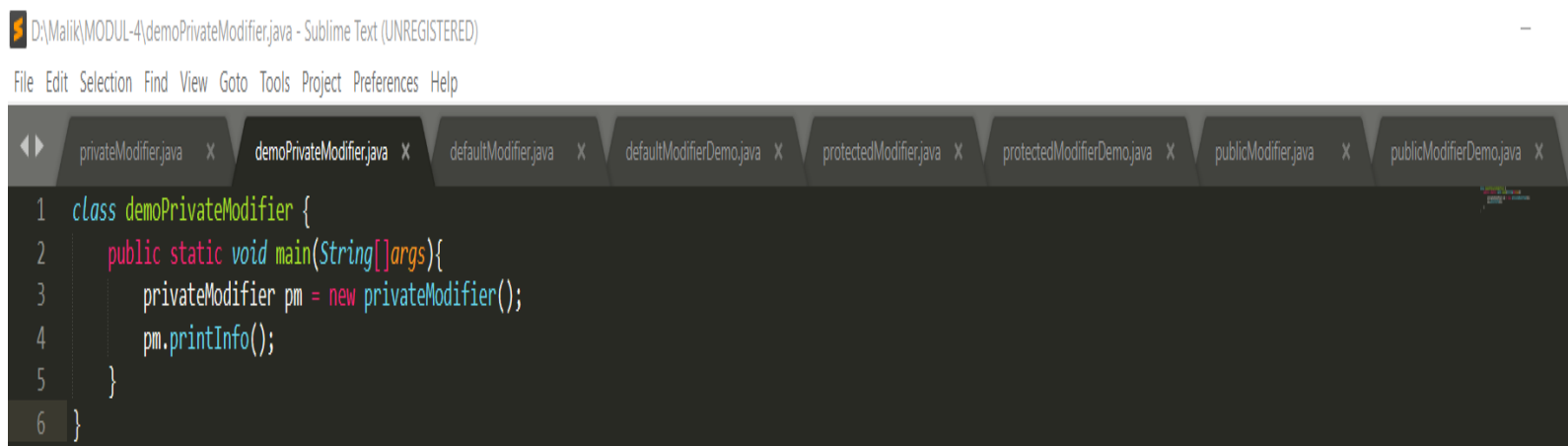
KELAS : B

1. Private Modifier



The screenshot shows the Sublime Text editor interface with the file `privateModifier.java` open. The editor has a dark theme and a menu bar with options: File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The tab bar shows several open files, with `privateModifier.java` selected. The code in the editor is as follows:

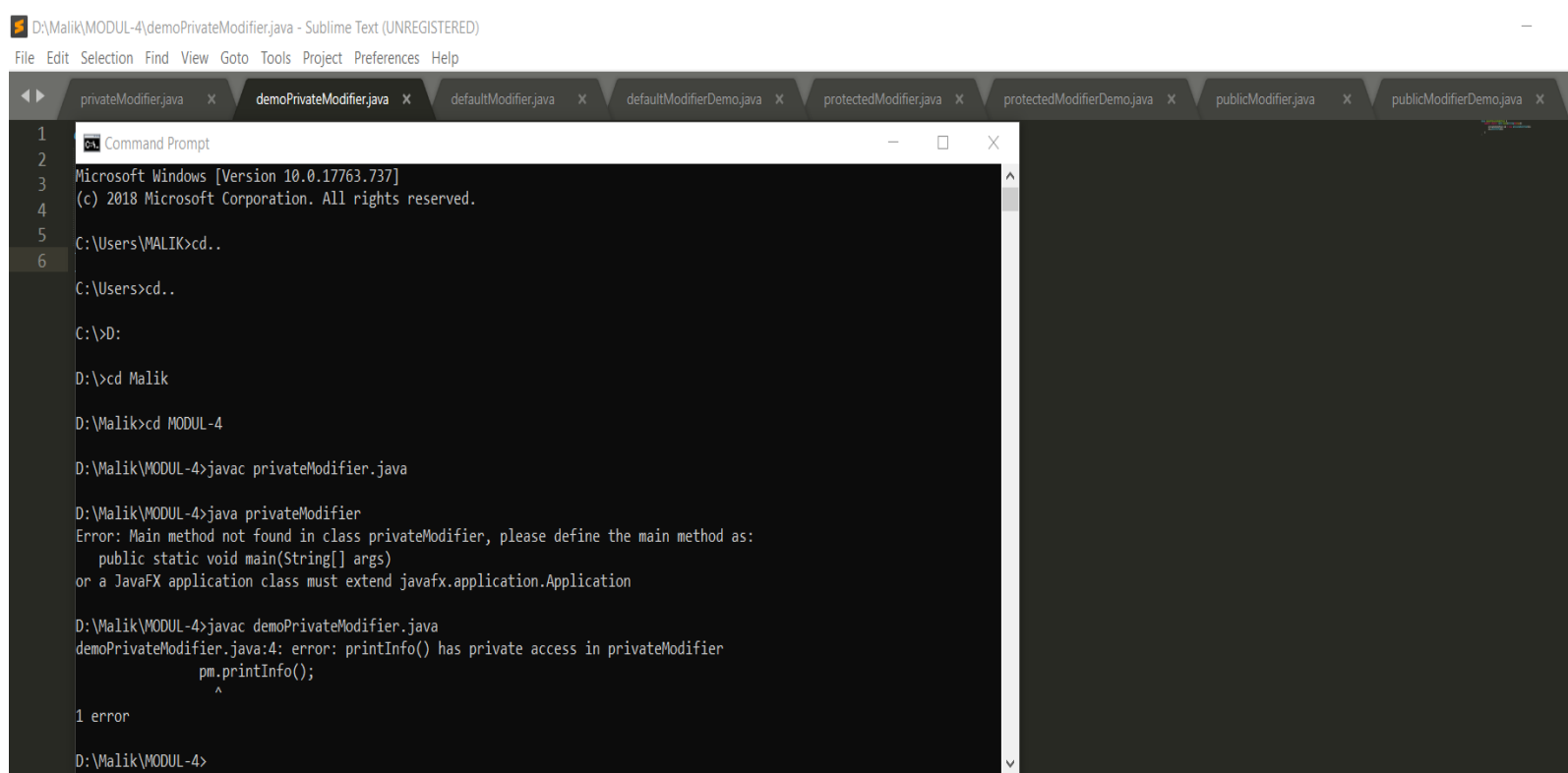
```
1 class privateModifier {
2     private String nama;
3     private int umur;
4
5     private void printInfo(){
6         System.out.println("Private modifier");
7     }
8 }
```



The screenshot shows the Sublime Text editor interface with the file `demoPrivateModifier.java` open. The editor has a dark theme and a menu bar with options: File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The tab bar shows several open files, with `demoPrivateModifier.java` selected. The code in the editor is as follows:

```
1 class demoPrivateModifier {
2     public static void main(String[] args){
3         privateModifier pm = new privateModifier();
4         pm.printInfo();
5     }
6 }
```

Tidak dapat diakses karena hanya dapat diakses di dalam package dan class yang sama.




```
D:\Malik\MODUL-4\demoPrivateModifier.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java x demoPrivateModifier.java x defaultModifier.java x defaultModifierDemo.java x protectedModifier.java x protectedModifierDemo.java x publicModifier.java x publicModifierDemo.java x

1 Command Prompt
2 Microsoft Windows [Version 10.0.17763.737]
3 (c) 2018 Microsoft Corporation. All rights reserved.
4
5 C:\Users\MALIK>cd..
6
7 C:\Users>cd..
8
9 C:\>D:
10
11 D:\>cd Malik
12
13 D:\Malik>cd MODUL-4
14
15 D:\Malik\MODUL-4>javac privateModifier.java
16
17 D:\Malik\MODUL-4>java privateModifier
18 Error: Main method not found in class privateModifier, please define the main method as:
19     public static void main(String[] args)
20 or a JavaFX application class must extend javafx.application.Application
21
22 D:\Malik\MODUL-4>javac demoPrivateModifier.java
23 demoPrivateModifier.java:4: error: printInfo() has private access in privateModifier
24     pm.printInfo();
25         ^
26
27 1 error
28
29 D:\Malik\MODUL-4>
```

2. Default Modifier



```
D:\Malik\MODUL-4\defaultModifier.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java x demoPrivateModifier.java x defaultModifier.java x defaultModifierDemo.java x protectedModifier.java x protectedModifierDemo.java x publicModifier.java x publicModifierDemo.java x

1 class defaultModifier{
2     int a = 1;
3     int b = 2;
4     int c;
5     void jumlah(){
6         c = a + b;
7         System.out.println(c);
8     }
9 }
```

D:\Malik\MODUL-4\defaultModifierDemo.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

1 class defaultModifierDemo{
2     public static void main(String[] args){
3         defaultModifier dm = new defaultModifier();
4         dm.jumlah();
5     }
6 }
```

D:\Malik\MODUL-4\defaultModifierDemo.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

1 Command Prompt
2
3
4 D:\Malik\MODUL-4>java privateModifier
5 Error: Main method not found in class privateModifier, please define the main method as:
6     public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Application

D:\Malik\MODUL-4>javac demoPrivateModifier.java
demoPrivateModifier.java:4: error: printInfo() has private access in privateModifier
    pm.printInfo();
      ^
1 error

D:\Malik\MODUL-4>javac defaultModifier.java

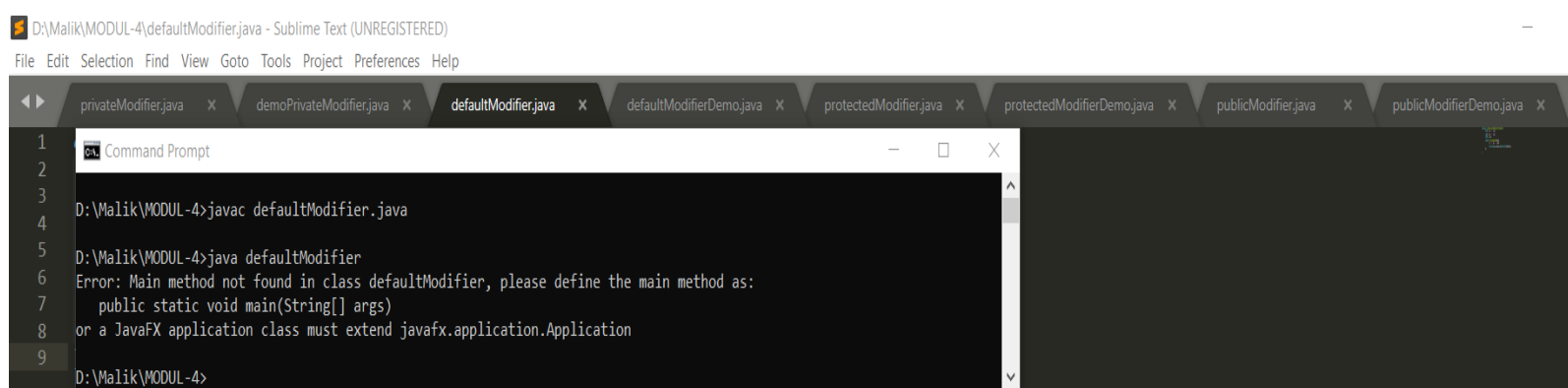
D:\Malik\MODUL-4>java defaultModifier
Error: Main method not found in class defaultModifier, please define the main method as:
    public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Application

D:\Malik\MODUL-4>javac defaultModifierDemo.java

D:\Malik\MODUL-4>java defaultModifierDemo
3

D:\Malik\MODUL-4>
```

Tidak dapat diakses karena default modifier hanya dapat diakses di dalam class
berbeda namu dalam package yang sama.



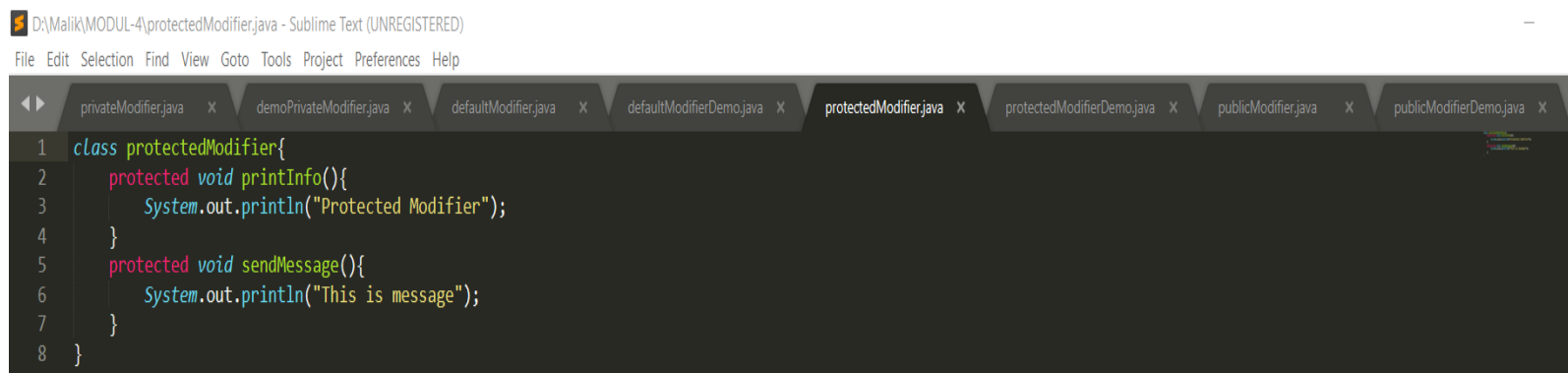
D:\Malik\MODUL-4\defaultModifier.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

```
1 Command Prompt
2
3
4 D:\Malik\MODUL-4>javac defaultModifier.java
5
6 D:\Malik\MODUL-4>java defaultModifier
7 Error: Main method not found in class defaultModifier, please define the main method as:
8     public static void main(String[] args)
9     or a JavaFX application class must extend javafx.application.Application
10
11 D:\Malik\MODUL-4>
```

3. Protected Modifier

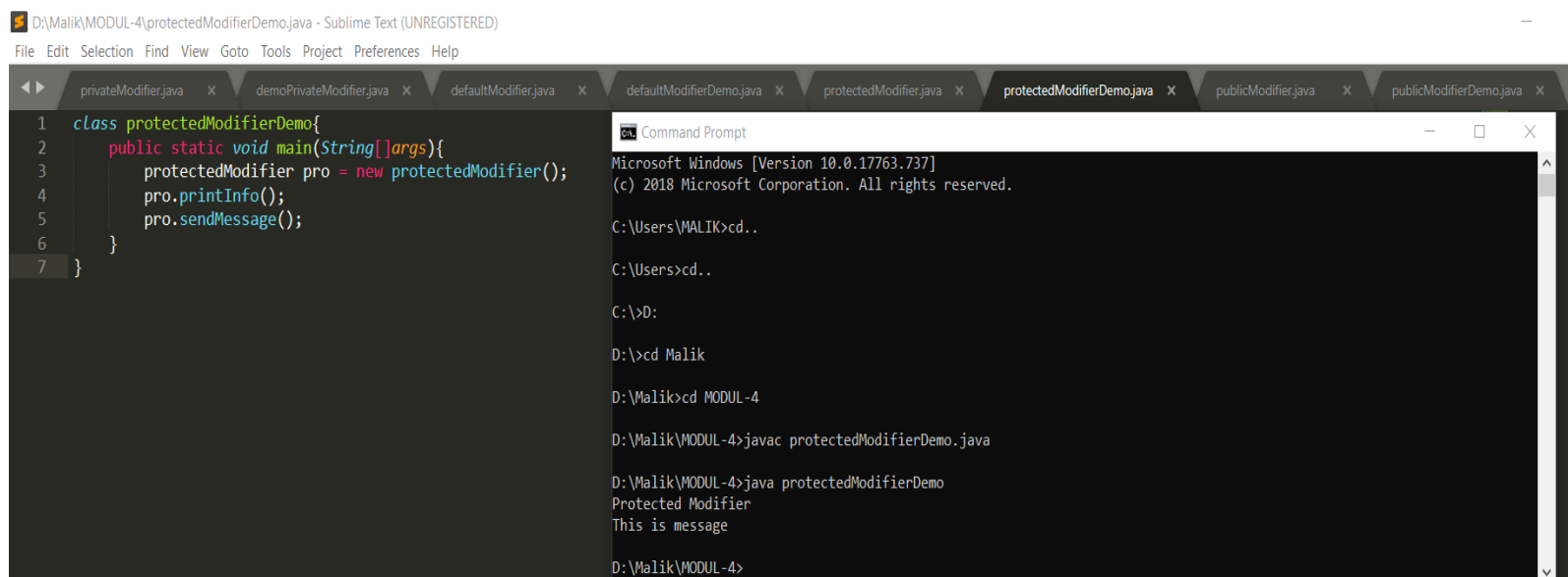


D:\Malik\MODUL-4\protectedModifier.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

```
1 class protectedModifier{
2     protected void printInfo(){
3         System.out.println("Protected Modifier");
4     }
5     protected void sendMessage(){
6         System.out.println("This is message");
7     }
8 }
```



D:\Malik\MODUL-4\protectedModifierDemo.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

```
1 class protectedModifierDemo{
2     public static void main(String[] args){
3         protectedModifier pro = new protectedModifier();
4         pro.printInfo();
5         pro.sendMessage();
6     }
7 }
```

Command Prompt

```
Microsoft Windows [Version 10.0.17763.737]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\MALIK>cd..
C:\Users>cd..
C:\>D:
D:\>cd Malik
D:\Malik>cd MODUL-4
D:\Malik\MODUL-4>javac protectedModifierDemo.java
D:\Malik\MODUL-4>java protectedModifierDemo
Protected Modifier
This is message
D:\Malik\MODUL-4>
```

4. Public Modifier

D:\Malik\MODUL-4\publicModifier.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X
1 class publicModifier{
2     public int a = 2;
3     public int b = 5;
4     public int c = 9;
5     public void kali(){
6         int d = a*b*c;
7         System.out.println("Hasil Kali = " + d);
8     }
9 }
```

D:\Malik\MODUL-4\publicModifierDemo.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java
1 class publicModifierDemo{
2     public static void main(String[] args){
3         publicModifier pub = new publicModifier();
4         pub.kali();
5     }
6 }
```

D:\Malik\MODUL-4\publicModifierDemo.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X
1
2
3
4
5
6
Command Prompt
D:\Malik\MODUL-4>java protectedModifierDemo
Protected Modifier
This is message
D:\Malik\MODUL-4>javac publicModifier.java
D:\Malik\MODUL-4>java publicModifier
Error: Main method not found in class publicModifier, please define the main method as:
  public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Application
D:\Malik\MODUL-4>javac publicModifierDemo.java
D:\Malik\MODUL-4>java publicModifierDemo
Hasil Kali = 90
D:\Malik\MODUL-4>
```

Kali, Tambah, Kurang, Bagi, Dan Rata-Rata.

```
D:\Malik\MODUL-4\publicModifier.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

1 class publicModifier{
2     public int a = 2;
3     public int b = 5;
4     public int c = 9;
5     public void kali(){
6         int d = a*b*c;
7         System.out.println("Hasil Kali = " + d);
8     }
9     public void tambah(){
10        int d = a+b+c;
11        System.out.println("Hasil Tambah = " + d);
12    }
13    public void kurang(){
14        int d = a-b-c;
15        System.out.println("Hasil Kurang = " + d);
16    }
17    public void bagi(){
18        int d = a/b/c;
19        System.out.println("Hasil Bagi = " + d);
20    }
21    public void ratarata(){
22        int d = (a+b+c)/3;
23        System.out.println("Hasil Rata-rata = " + d);
24    }
25 }
```

```
D:\Malik\MODUL-4\publicModifierDemo.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java X demoPrivateModifier.java X defaultModifier.java X defaultModifierDemo.java X protectedModifier.java X protectedModifierDemo.java X publicModifier.java X publicModifierDemo.java X

1 class publicModifierDemo{
2     public static void main(String[] args){
3         publicModifier pub = new publicModifier();
4         pub.kali();
5         pub.tambah();
6         pub.kurang();
7         pub.bagi();
8         pub.ratarata();
9     }
10 }
```

```
Command Prompt
D:\Malik\MODUL-4>javac publicModifierDemo.java
D:\Malik\MODUL-4>java publicModifierDemo
Hasil Kali = 90
Hasil Tambah = 16
Hasil Kurang = -12
Hasil Bagi = 0
Hasil Rata-rata = 5
D:\Malik\MODUL-4>
```