NAMA : MALIK MUHAMMAD

NIM : L200180072
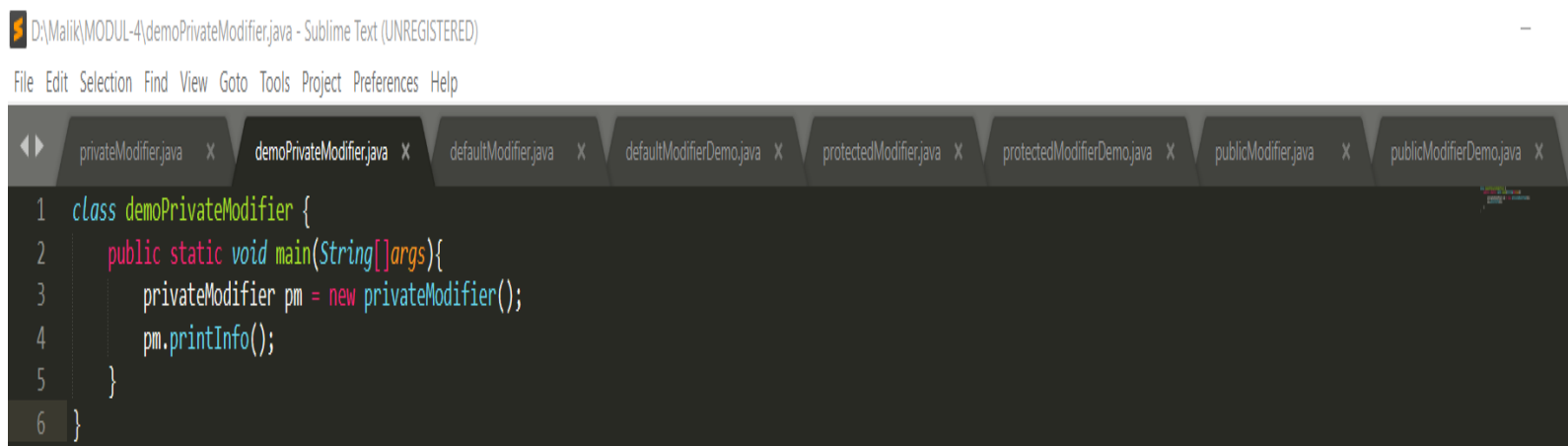
KELAS : B

1. Private Modifier

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privateModifier.java demoPrivateModifier.java defaultModifier.java defaultModifierDemo.java protectedModifier.java protectedModifierDemo.java publicModifier.java publicModifierDemo.java
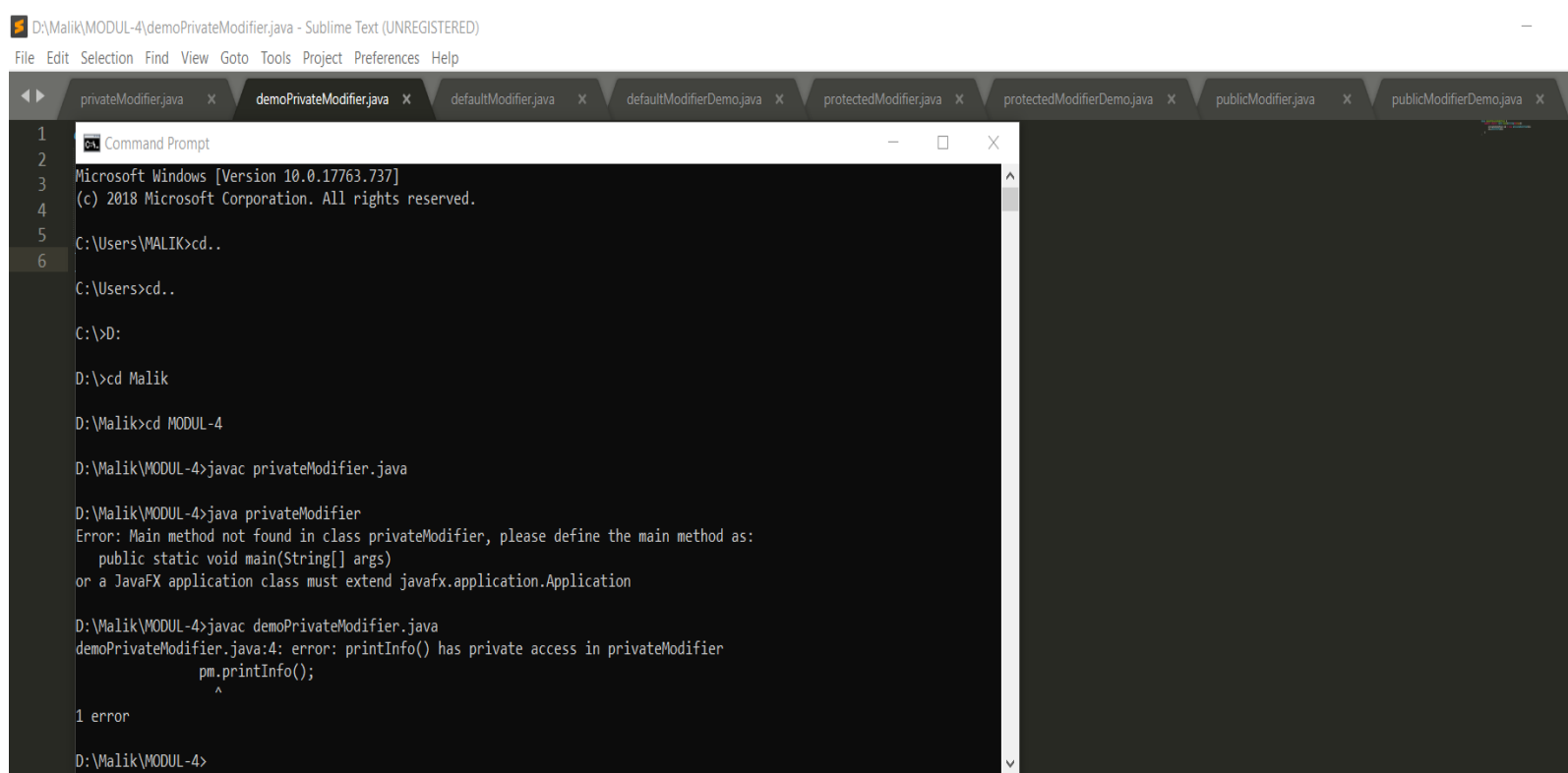
```java
class privateModifier {
    private String nama;
    private int umur;

    private void printInfo(){
        System.out.println("Private modifier");
    }
}
```

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

```java
class demoPrivateModifier {
    public static void main(String[]args){
        privateModifier pm = new privateModifier();
        pm.printInfo();
    }
}
```

Tidakdapatdiakseskarenahanyadapatdiaksesdidalam package dan class yang sama.

2. Default Modifier

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privateModifier.java ✕   demoPrivateModifier.java ✕   defaultModifier.java ✕   **defaultModifierDemo.java** ✕   protectedModifier.java ✕   protectedModifierDemo.java ✕   publicModifier.java ✕   publicModifierDemo.java ✕

```java
class defaultModifierDemo{
    public static void main(String[]args){
        defaultModifier dm = new defaultModifier();
        dm.jumlah();
    }
}
```

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privateModifier.java ✕   demoPrivateModifier.java ✕   defaultModifier.java ✕   **defaultModifierDemo.java** ✕   protectedModifier.java ✕   protectedModifierDemo.java ✕   publicModifier.java ✕   publicModifierDemo.java ✕

```
Command Prompt                                              —   ☐   ✕

D:\Malik\MODUL-4>java privateModifier
Error: Main method not found in class privateModifier, 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 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>
```
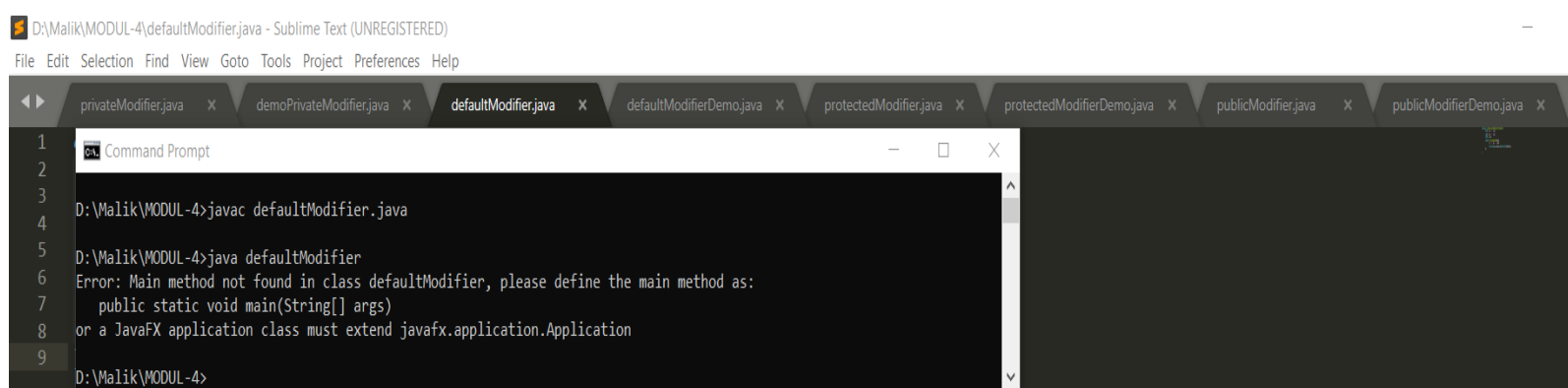
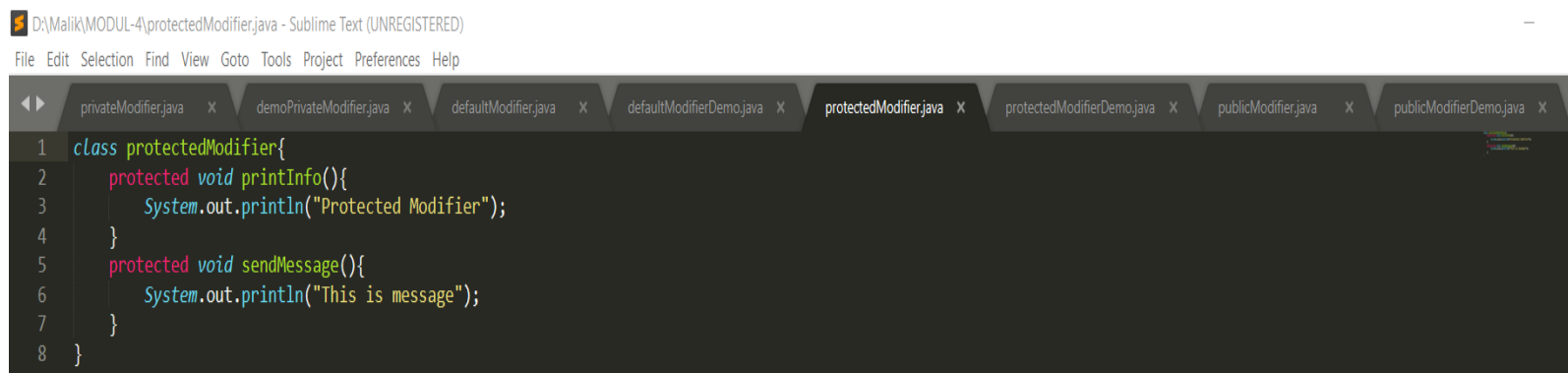Tidakdapatdiakseskarena default modifier hanyadapatdiaksesdidalam class berbedanamundalam package yang sama.

3. Protected Modifier


```java
class protectedModifier{
    protected void printInfo(){
        System.out.println("Protected Modifier");
    }
    protected void sendMessage(){
        System.out.println("This is message");
    }
}
```



```java
class protectedModifierDemo{
    public static void main(String[]args){
        protectedModifier pro = new protectedModifier();
        pro.printInfo();
        pro.sendMessage();
    }
}
```

4. Public Modifier

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privateModifier.java ×   demoPrivateModifier.java ×   defaultModifier.java ×   defaultModifierDemo.java ×   protectedModifier.java ×   protectedModifierDemo.java ×   **publicModifier.java** ×   publicModifierDemo.java ×

```java
class publicModifier{
    public int a = 2;
    public int b = 5;
    public int c = 9;
    public void kali(){
        int d = a*b*c;
        System.out.println("Hasil Kali = " + d);
    }
}
```

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privateModifier.java ×   demoPrivateModifier.java ×   defaultModifier.java ×   defaultModifierDemo.java ×   protectedModifier.java ×   protectedModifierDemo.java ×   publicModifier.java ×   **publicModifierDemo.java** ●

```java
class publicModifierDemo{
    public static void main(String[]args){
        publicModifier pub = new publicModifier();
        pub.kali();
    }
}
```

File Edit Selection Find View Goto Tools Project Preferences Help

privateModifier.java ×   demoPrivateModifier.java ×   defaultModifier.java ×   defaultModifierDemo.java ×   protectedModifier.java ×   protectedModifierDemo.java ×   publicModifier.java ×   **publicModifierDemo.java** ×

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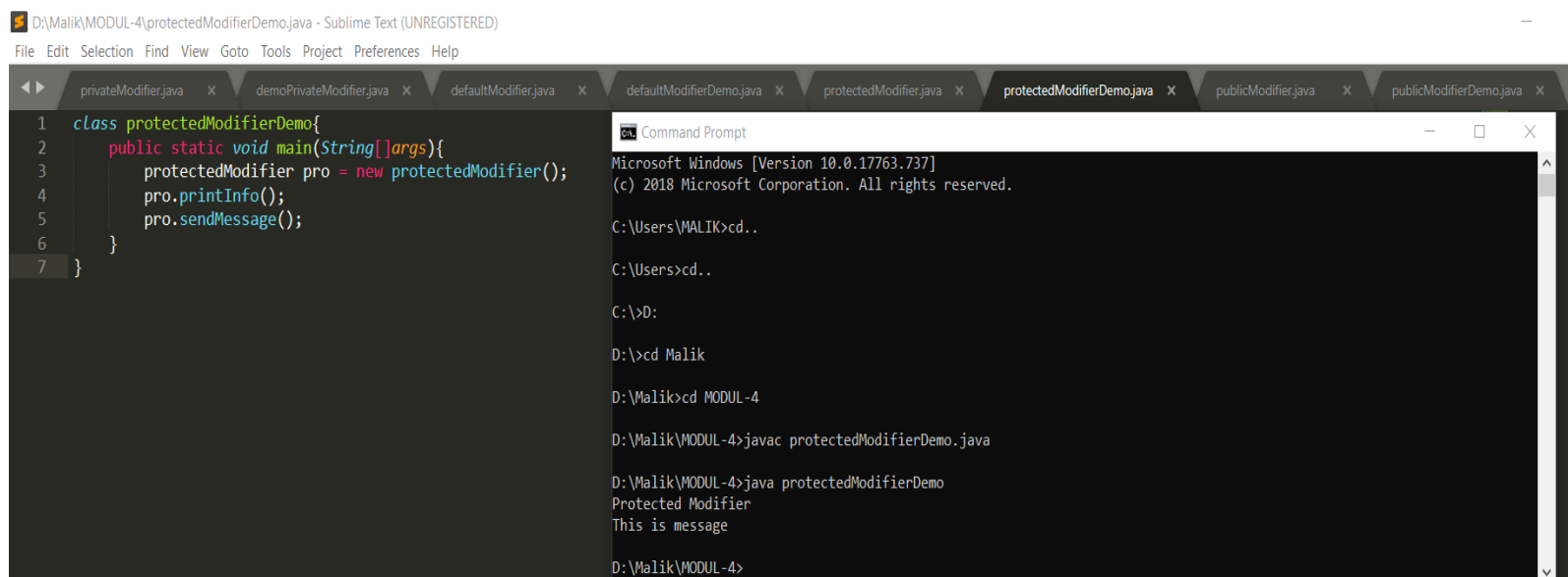
Kali, Tambah, Kurang, Bagi, Dan Rata-Rata.

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

File Edit Selection Find View Goto Tools Project Preferences Help

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

```java
class publicModifier{
    public int a = 2;
    public int b = 5;
    public int c = 9;
    public void kali(){
        int d = a*b*c;
        System.out.println("Hasil Kali = " + d);
    }
    public void tambah(){
        int d = a+b+c;
        System.out.println("Hasil Tambah = " + d);
    }
    public void kurang(){
        int d = a-b-c;
        System.out.println("Hasil Kurang = " + d);
    }
    public void bagi(){
        int d = a/b/c;
        System.out.println("Hasil Bagi = " + d);
    }
    public void ratarata(){
        int d = (a+b+c)/3;
        System.out.println("Hasil Rata-rata = " + d);
    }
}
```

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

File Edit Selection Find View Goto Tools Project Preferences Help

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

```java
class publicModifierDemo{
    public static void main(String[]args){
        publicModifier pub = new publicModifier();
        pub.kali();
        pub.tambah();
        pub.kurang();
        pub.bagi();
        pub.ratarata();
    }
}
```

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>
```