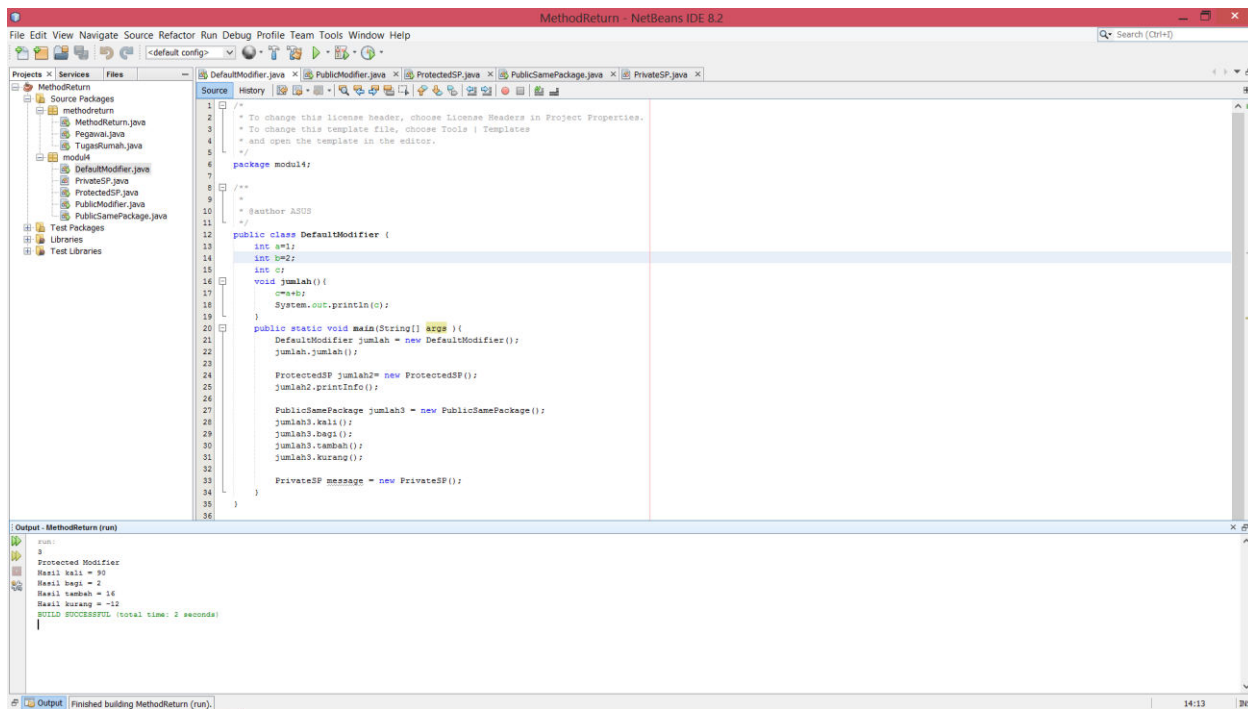


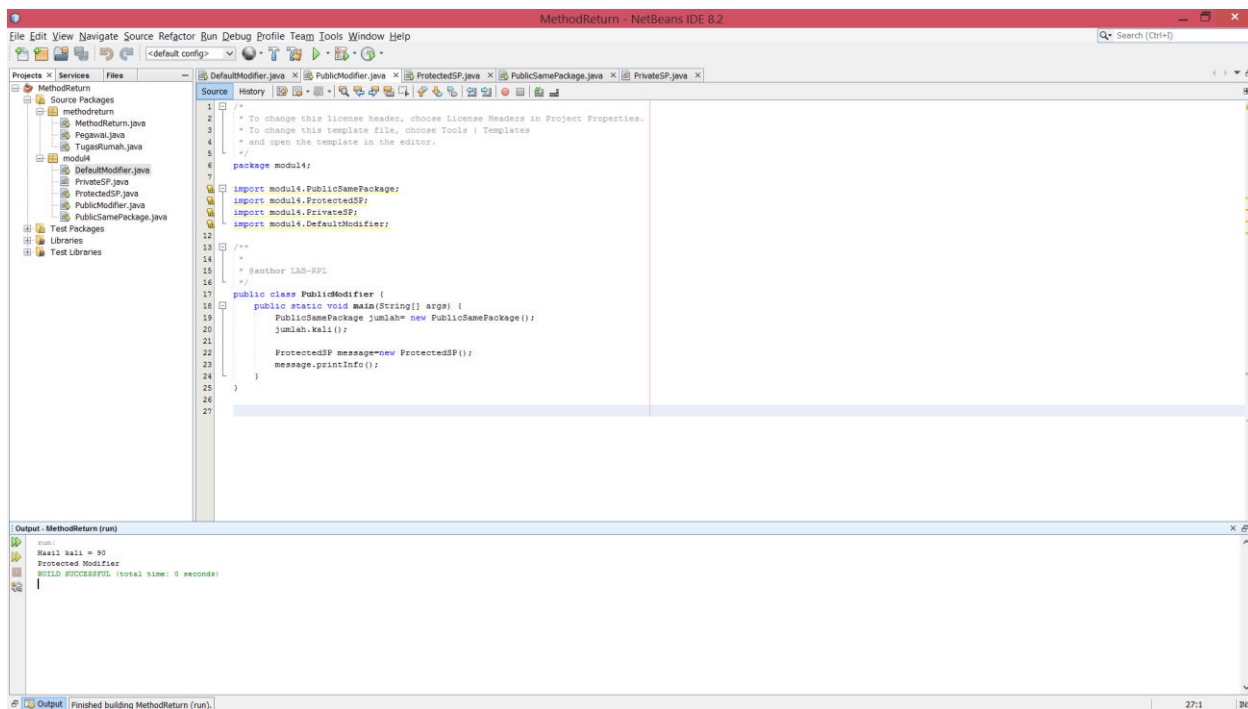
Nama : Fatich Imam Al Arasy

NIM : L200170128

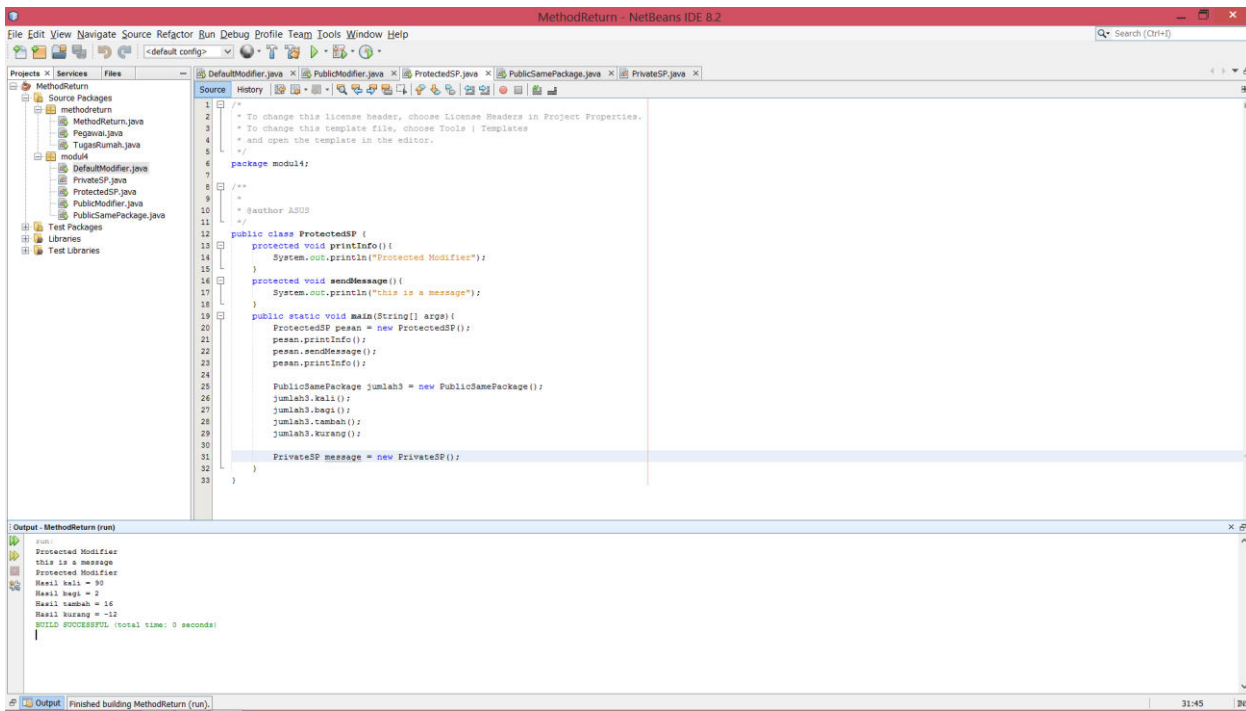
## Default Modifier



## Public Modifier



## Protected Modifier



MethodReturn - NetBeans IDE 8.2

Source: ProtectedSP.java

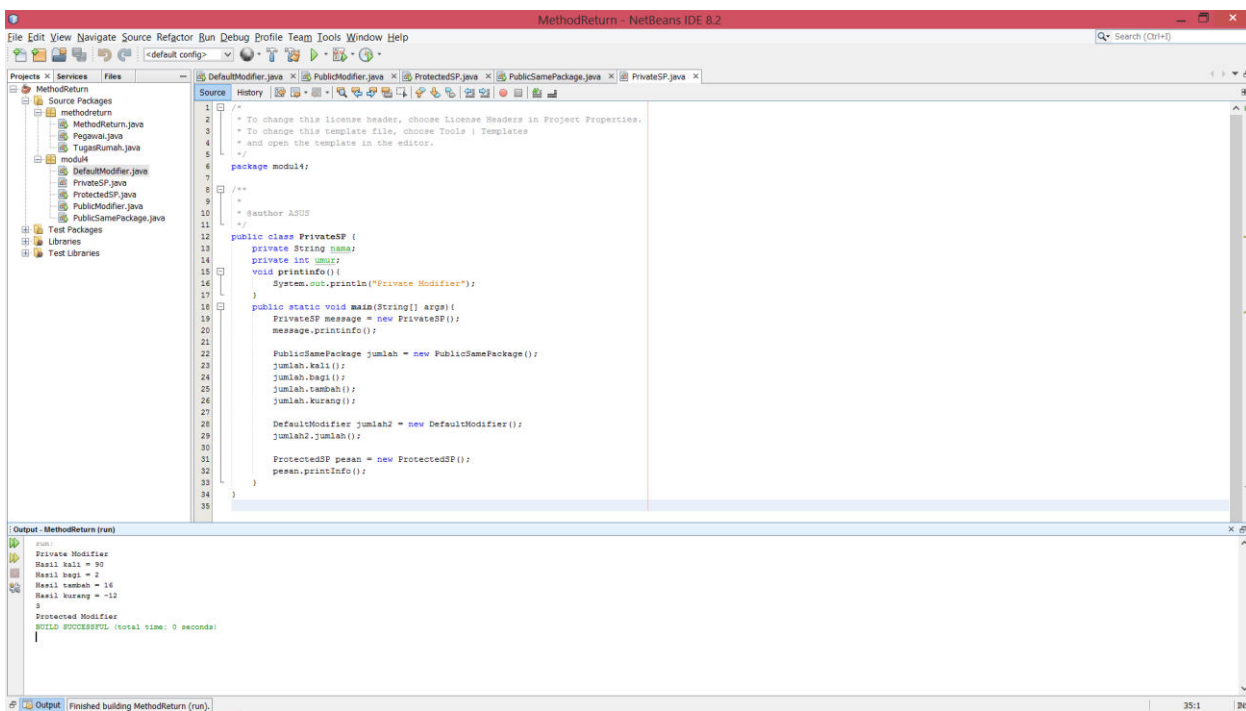
```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6   package modul4;
7
8   /**
9    *
10   * @author ASUS
11   */
12   public class ProtectedSP {
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       public static void main(String[] args){
20           ProtectedSP pesan = new ProtectedSP();
21           pesan.printInfo();
22           pesan.sendMessage();
23           pesan.printInfo();
24
25           PublicSamePackage jumlah3 = new PublicSamePackage();
26           jumlah3.kali();
27           jumlah3.bagi();
28           jumlah3.tambah();
29           jumlah3.kurang();
30
31           PrivateSP message = new PrivateSP();
32       }
33   }
```

Output - MethodReturn (run)

```
run
Protected Modifier
this is a message
Protected Modifier
Hasil kali = 30
Hasil bagi = 2
Hasil tambah = 16
Hasil kurang = -12
BUILD SUCCESSFUL (total time: 0 seconds)
```

Output: Finished building MethodReturn (run). 31:45 DNS

## Private Modifier



MethodReturn - NetBeans IDE 8.2

Source: PrivateSP.java

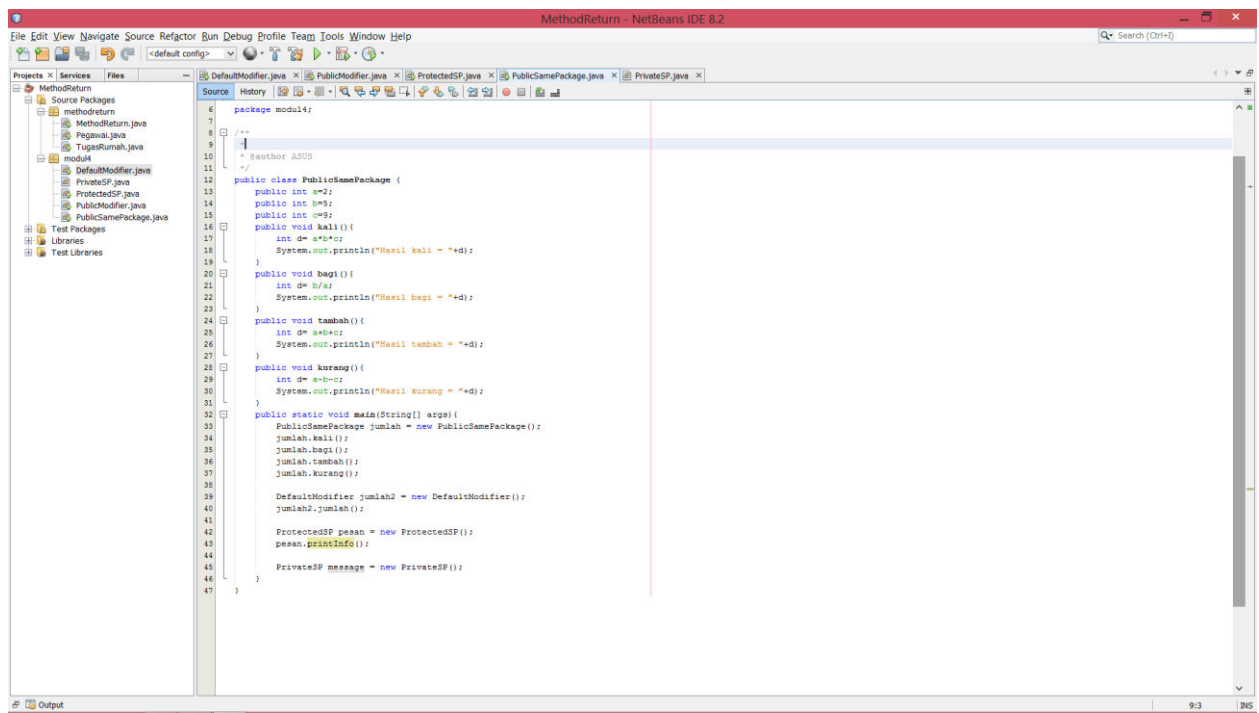
```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6   package modul4;
7
8   /**
9    *
10   * @author ASUS
11   */
12   public class PrivateSP {
13       private String nama;
14       private int umur;
15       void printInfo(){
16           System.out.println("Private Modifier");
17       }
18       public static void main(String[] args){
19           PrivateSP message = new PrivateSP();
20           message.printInfo();
21
22           PublicSamePackage jumlah = new PublicSamePackage();
23           jumlah.kali();
24           jumlah.bagi();
25           jumlah.tambah();
26           jumlah.kurang();
27
28           DefaultModifier jumlah2 = new DefaultModifier();
29           jumlah2.jumlah();
30
31           ProtectedSP pesan = new ProtectedSP();
32           pesan.printInfo();
33       }
34   }
```

Output - MethodReturn (run)

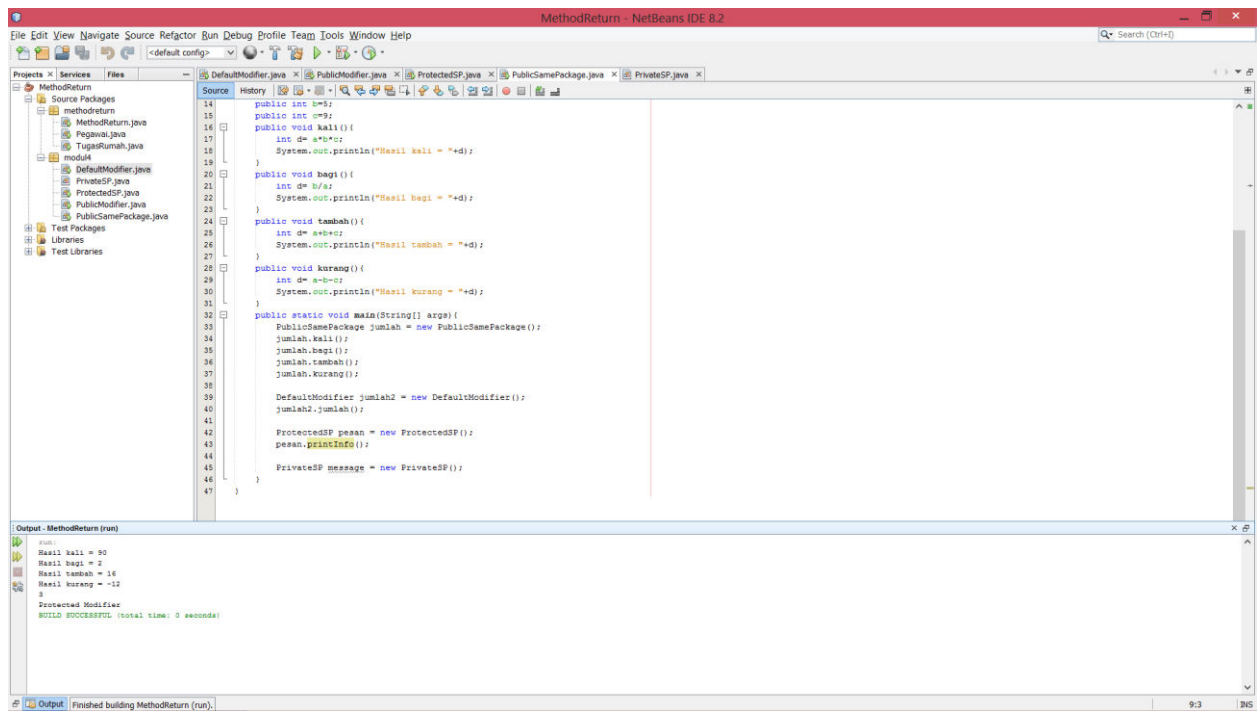
```
run
Private Modifier
Hasil kali = 30
Hasil bagi = 2
Hasil tambah = 16
Hasil kurang = -12
Protected Modifier
BUILD SUCCESSFUL (total time: 0 seconds)
```

Output: Finished building MethodReturn (run). 35:1 DNS

# Latihan



```
1 package modul4;
2
3 /**
4  *
5  * @author ASUS
6  */
7
8 public class PublicSamePackage {
9
10     public int a=2;
11     public int b=5;
12     public int c=9;
13
14     public void kali(){
15         int d = a*b*c;
16         System.out.println("Hasil kali = "+d);
17     }
18
19     public void bagi(){
20         int d = b/a;
21         System.out.println("Hasil bagi = "+d);
22     }
23
24     public void tambah(){
25         int d = a+b+c;
26         System.out.println("Hasil tambah = "+d);
27     }
28
29     public void kurang(){
30         int d = a-b-c;
31         System.out.println("Hasil kurang = "+d);
32     }
33
34     public static void main(String[] args){
35         PublicSamePackage jumlah = new PublicSamePackage();
36         jumlah.kali();
37         jumlah.bagi();
38         jumlah.tambah();
39         jumlah.kurang();
40
41         DefaultModifier jumlah2 = new DefaultModifier();
42         jumlah2.jumlah();
43
44         ProtectedSP pesan = new ProtectedSP();
45         pesan.printInfo();
46
47         PrivateSP message = new PrivateSP();
48     }
49 }
```



```
14 public int b=5;
15 public int c=9;
16 public void kali(){
17     int d = a*b*c;
18     System.out.println("Hasil kali = "+d);
19 }
20
21 public void bagi(){
22     int d = b/a;
23     System.out.println("Hasil bagi = "+d);
24 }
25
26 public void tambah(){
27     int d = a+b+c;
28     System.out.println("Hasil tambah = "+d);
29 }
30
31 public void kurang(){
32     int d = a-b-c;
33     System.out.println("Hasil kurang = "+d);
34 }
35
36 public static void main(String[] args){
37     PublicSamePackage jumlah = new PublicSamePackage();
38     jumlah.kali();
39     jumlah.bagi();
40     jumlah.tambah();
41     jumlah.kurang();
42
43     DefaultModifier jumlah2 = new DefaultModifier();
44     jumlah2.jumlah();
45
46     ProtectedSP pesan = new ProtectedSP();
47     pesan.printInfo();
48
49     PrivateSP message = new PrivateSP();
50 }
51 }
```

```
Output - MethodReturn (run)
main
Hasil kali = 90
Hasil bagi = 2
Hasil tambah = 16
Hasil kurang = -12
Protected Modifier
BUILD SUCCESSFUL (total time: 0 seconds)
```