**ULANGAN TENGAH SEMESTER**

**PEMROGRAMAN BERORIENTASI OBJEK**



**Disusun Oleh :**

**Nama : Yoga Pramudita**

**NIM : L200200182**

**Kelas : C**

**Matkul : PBO**

**PROGRAM STUDI TEKNIK INFORMATIKA**

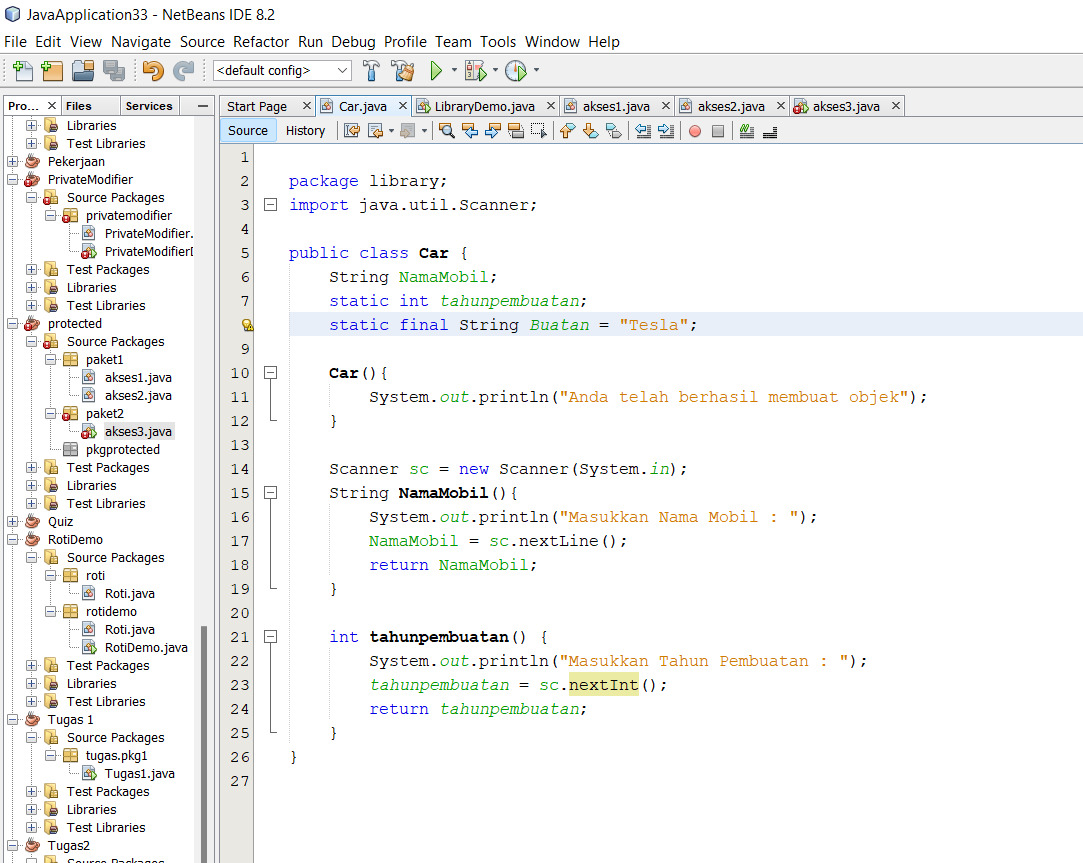
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

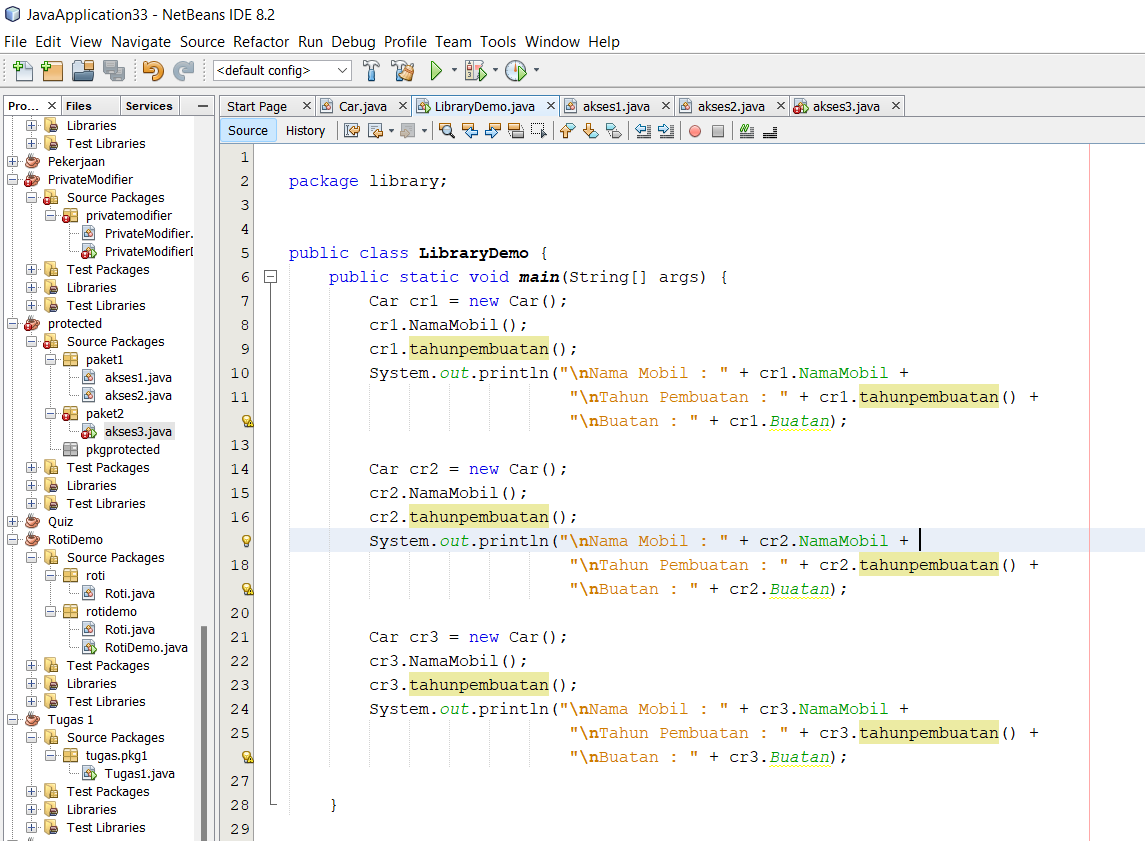
**TAHUN 2021/2022**

1. Class Car

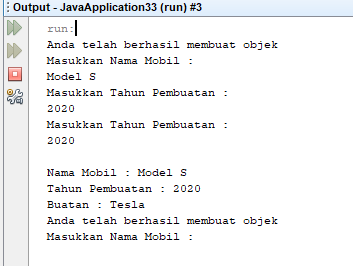
* Car.java



* LibraryDemo.java



* Output



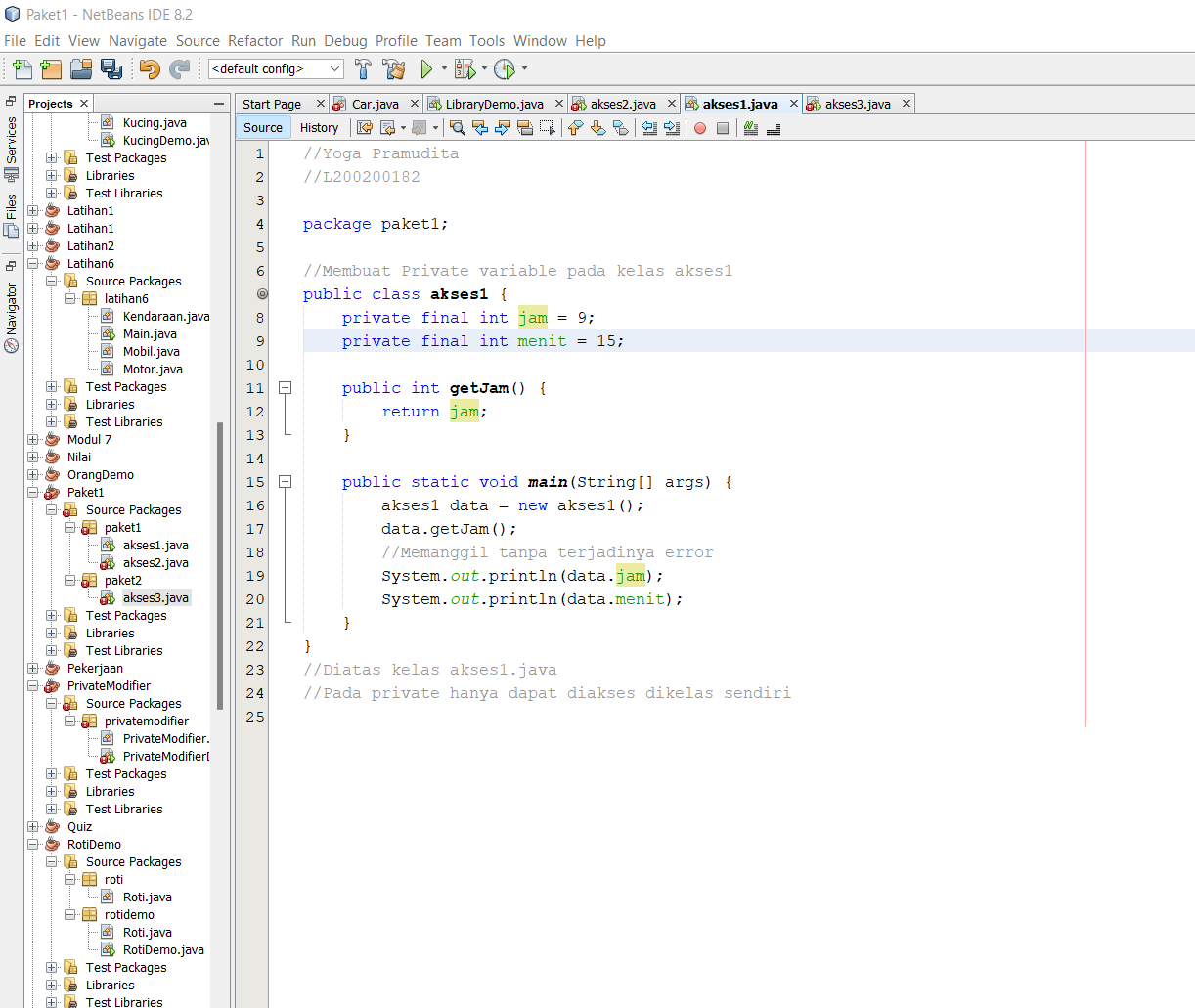
1. Penjelasan tentang acces modifier
2. Private

Private Modifier akan membuat “member” hanya bisa diakses di kelas sendiri.

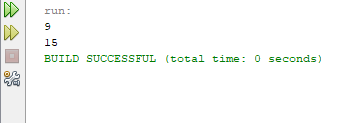
Bukti :

* Akses1.java

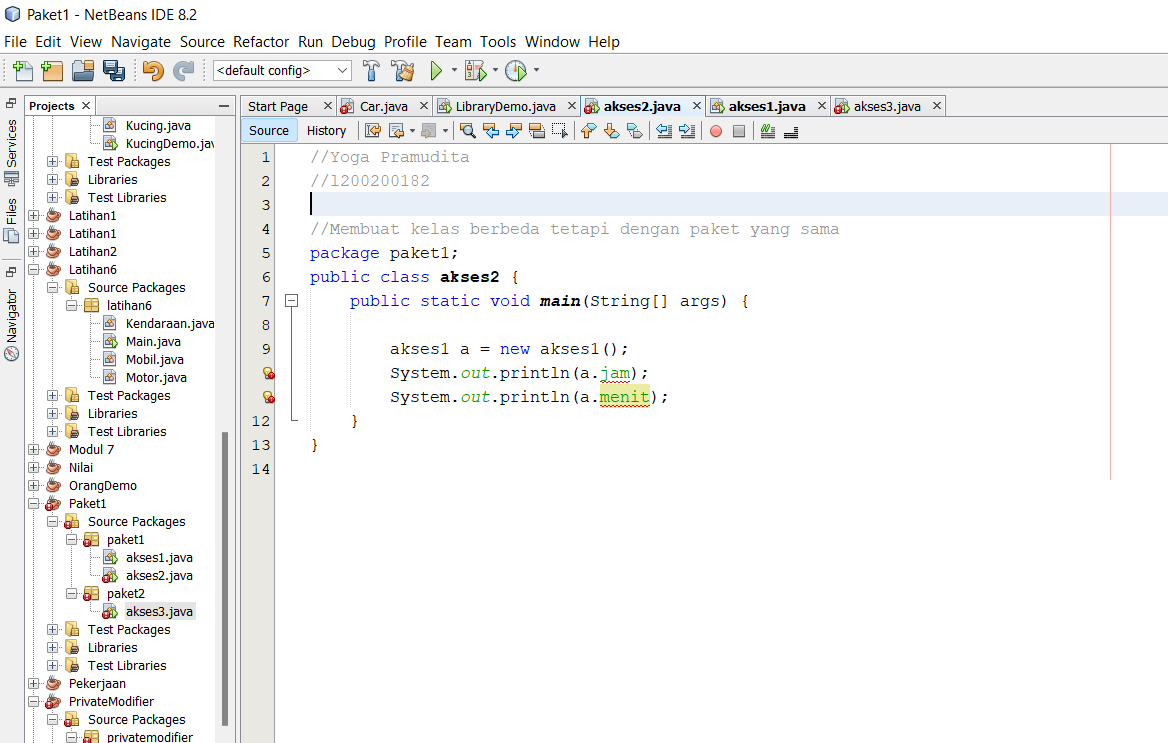
*Ket : Penjelasan ada di dalam code*



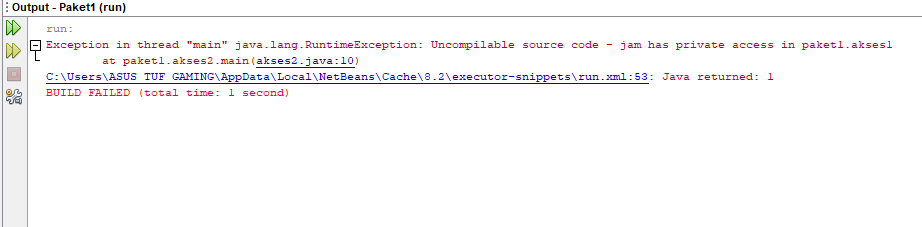
Output:



* Akses 2.java

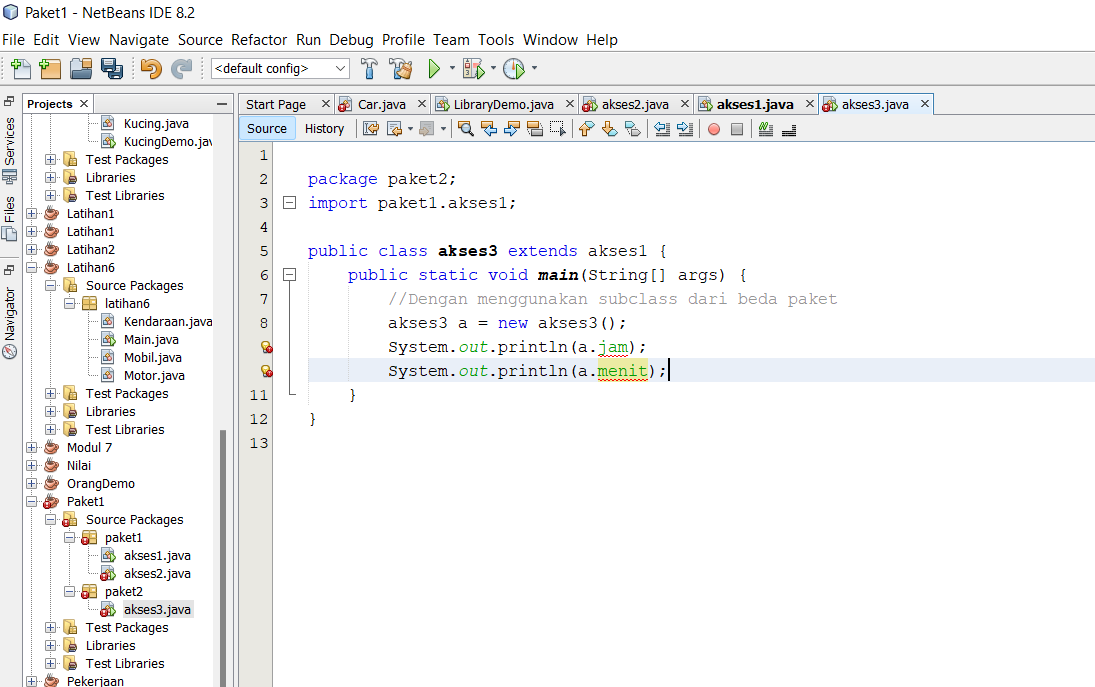


Output :

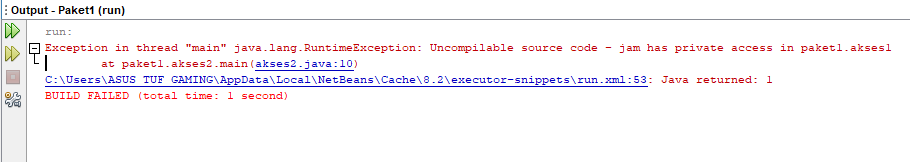


Ket : Jika dirun maka akan terjadi error karena bersivat private.

* Akses3.java



Output :



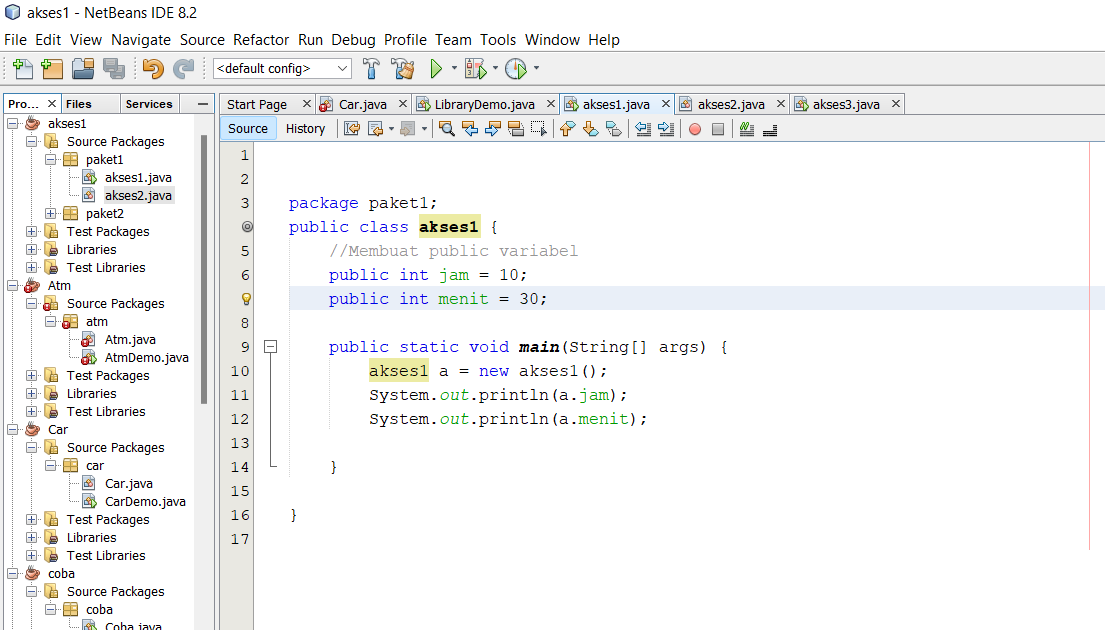
Ket : Jika dirun maka akan terjadi error karena bersivat private.

1. Public

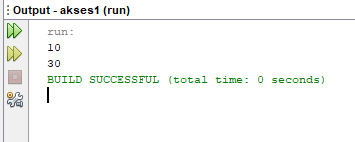
Bisa diakses disemuanya, meski beda paket.

Bukti :

* Akses1.java

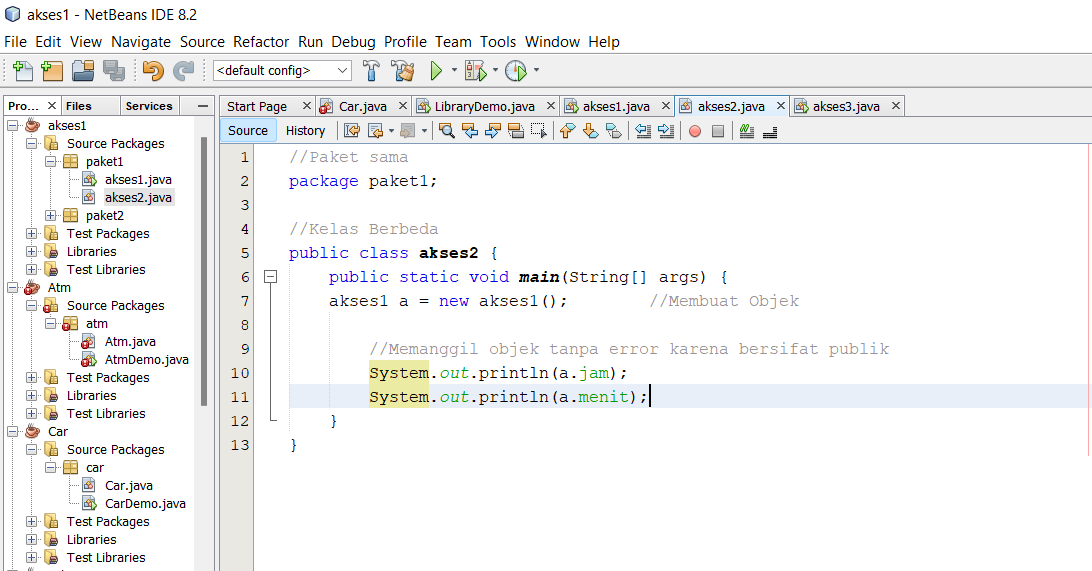


Output :

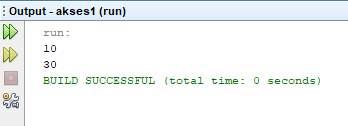


* Akses2.java

Paket sama kelas berbeda

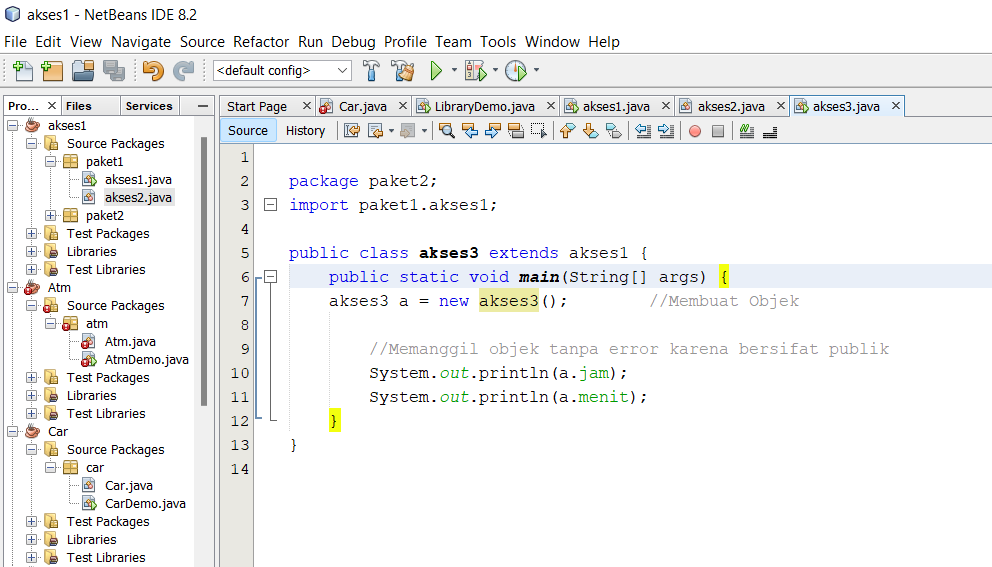


Output :

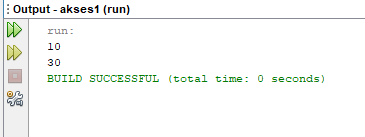


* Akses3.java

Berada di beda paket



Output :



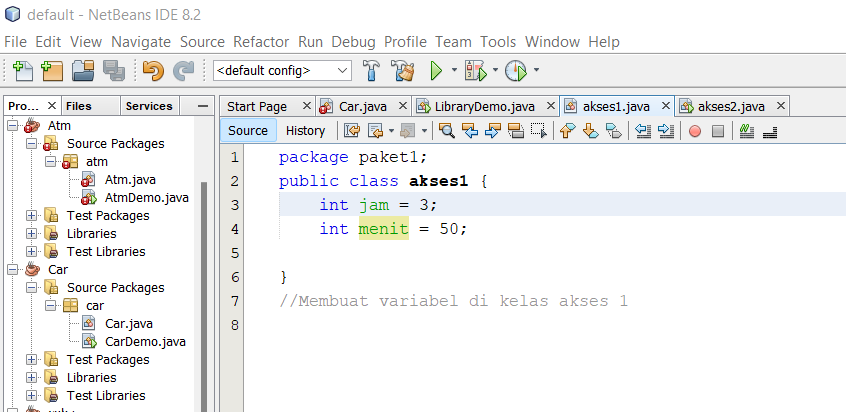
Kesimpulan : Bisa diakses di semuanya.

1. Default

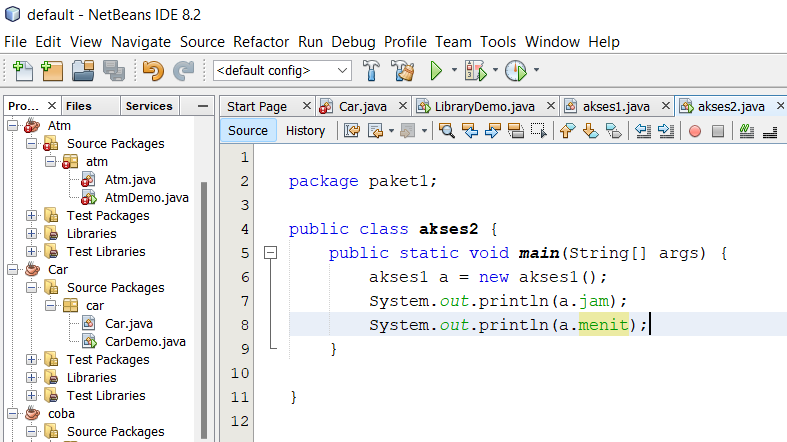
Hanya dapat diakses oleh paket sendiri dan kelas sendiri.

Bukti :

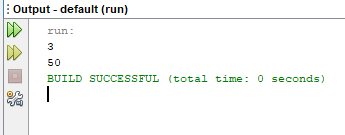
* Akses1.java



* Akses2.java

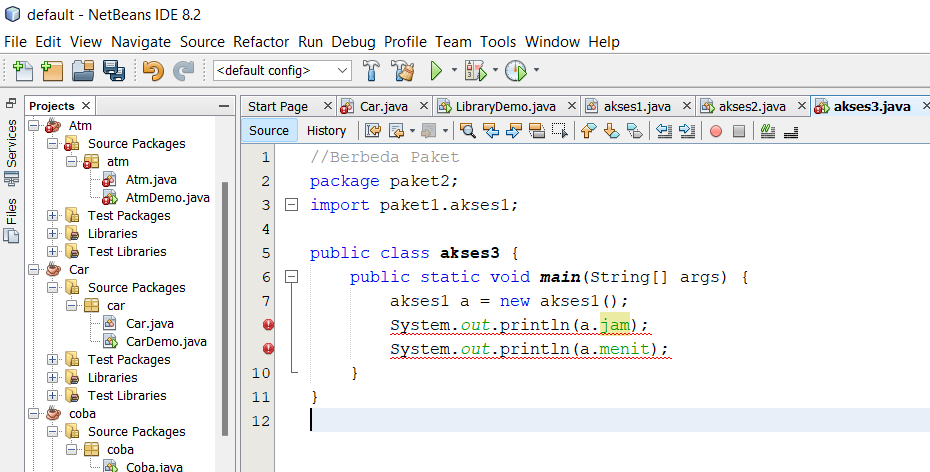


Output :

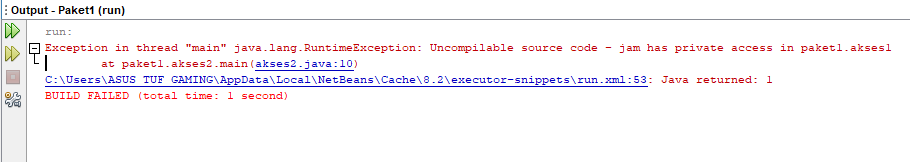


Ket : Jika di run masih bisa karena masih didalam paket yang sama, tanpa error.

* Akses3.java



Output :



Ket : Jika diakses diluar paket akan mengalami error.

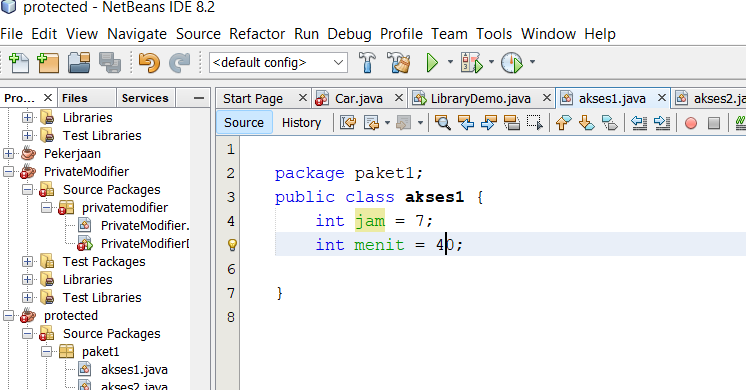
Kesimpulan : Selama paketnya sama default dapat diakses.

1. Protected

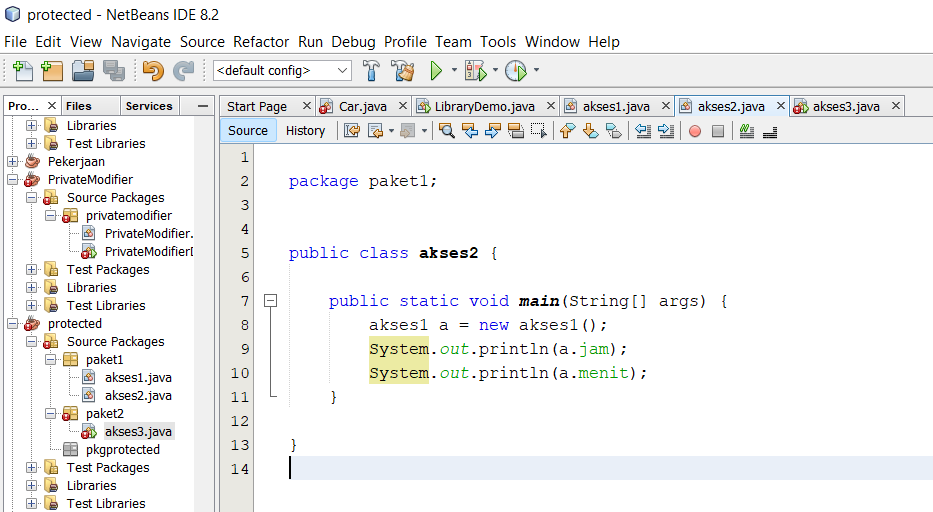
Bisa diakses didalam satu paket dan subclass.

Bukti :

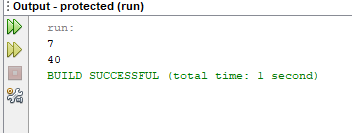
* Akses1.java



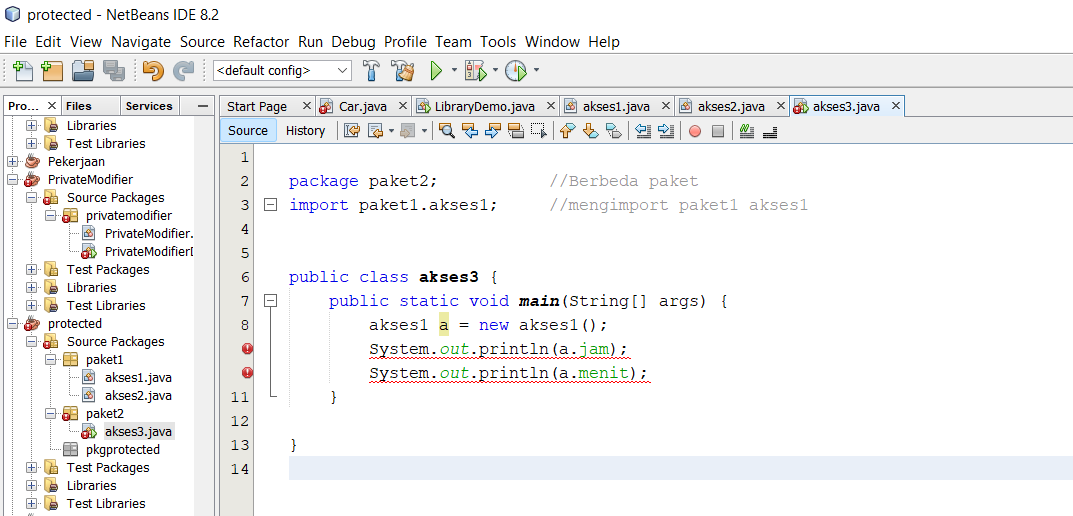
* Akses2.java



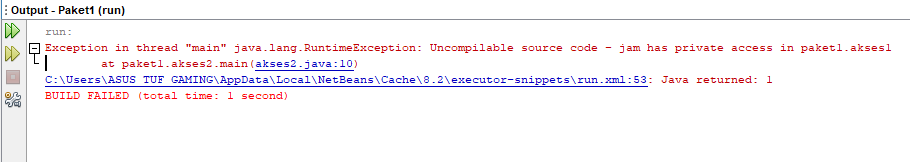
Output :



* Akses3.java



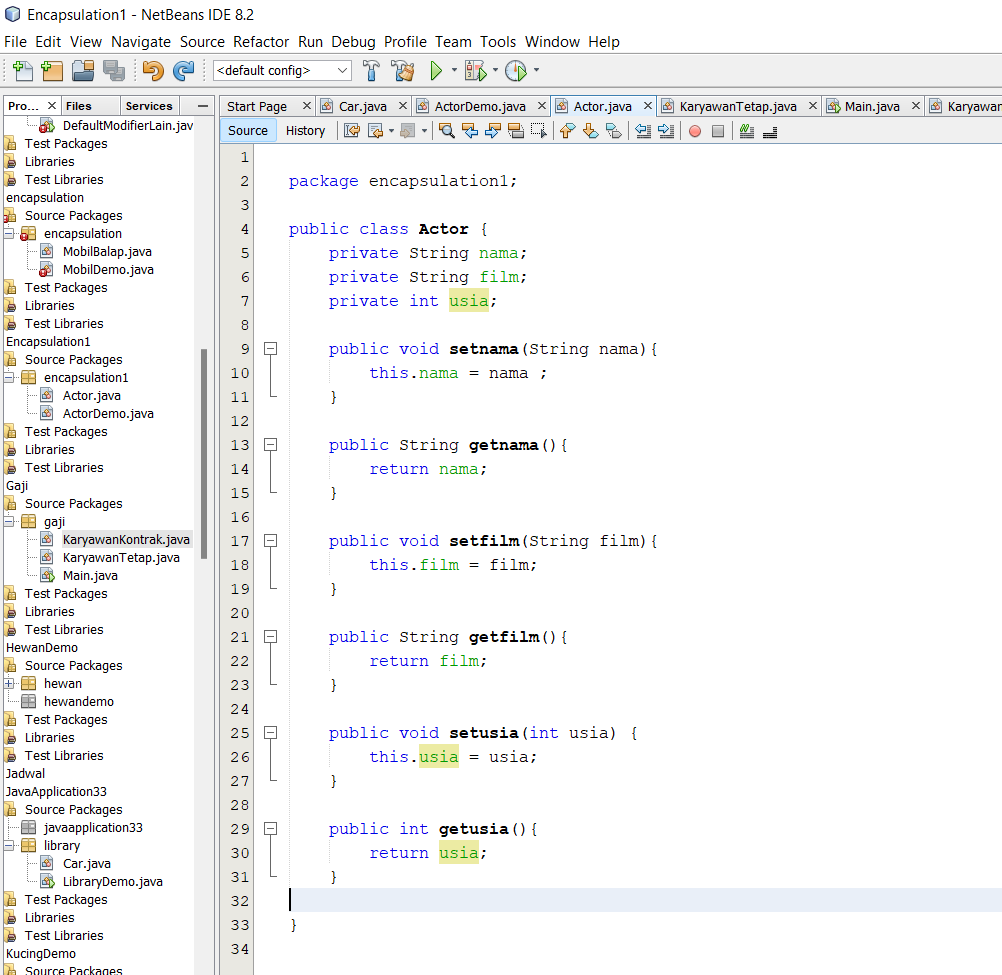
Output :



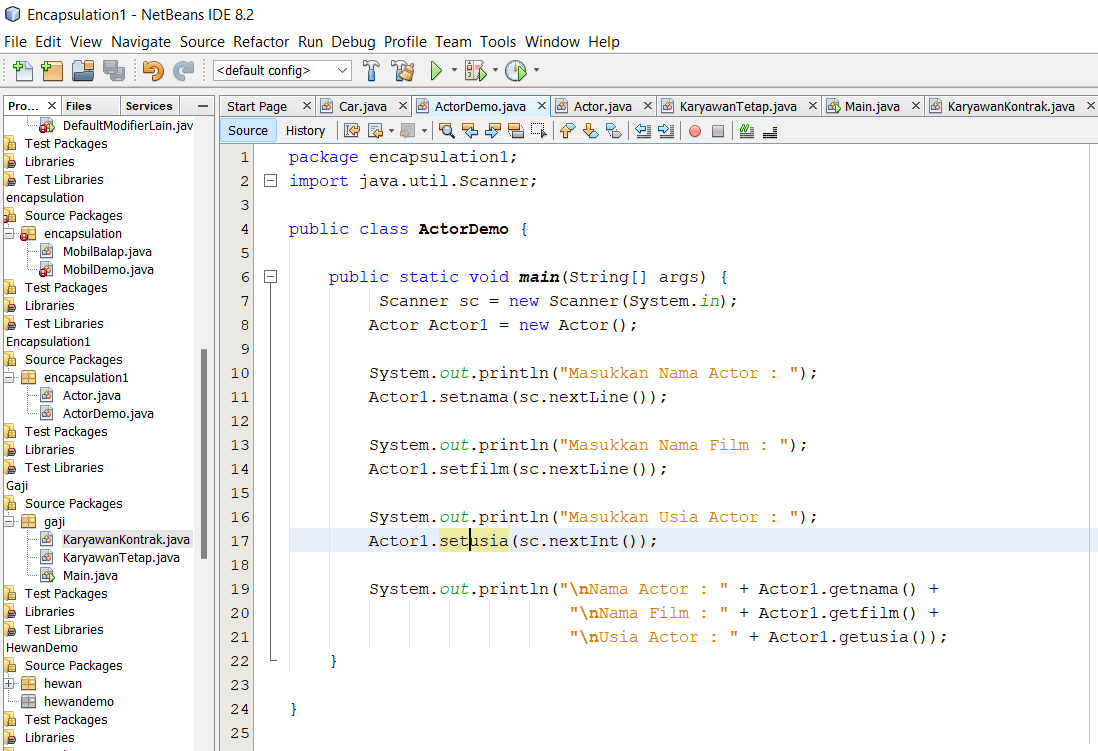
Ket : Kode diatas akan error meski diluar paket harus menggunakan “subclass”.

1. Program Encapsulation

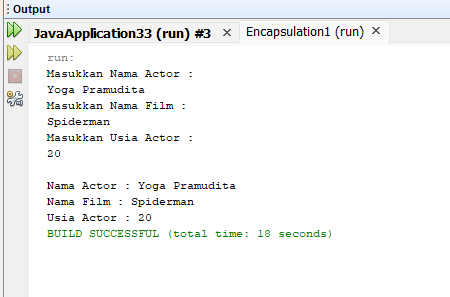
* Actor.java



* ActorDemo.java

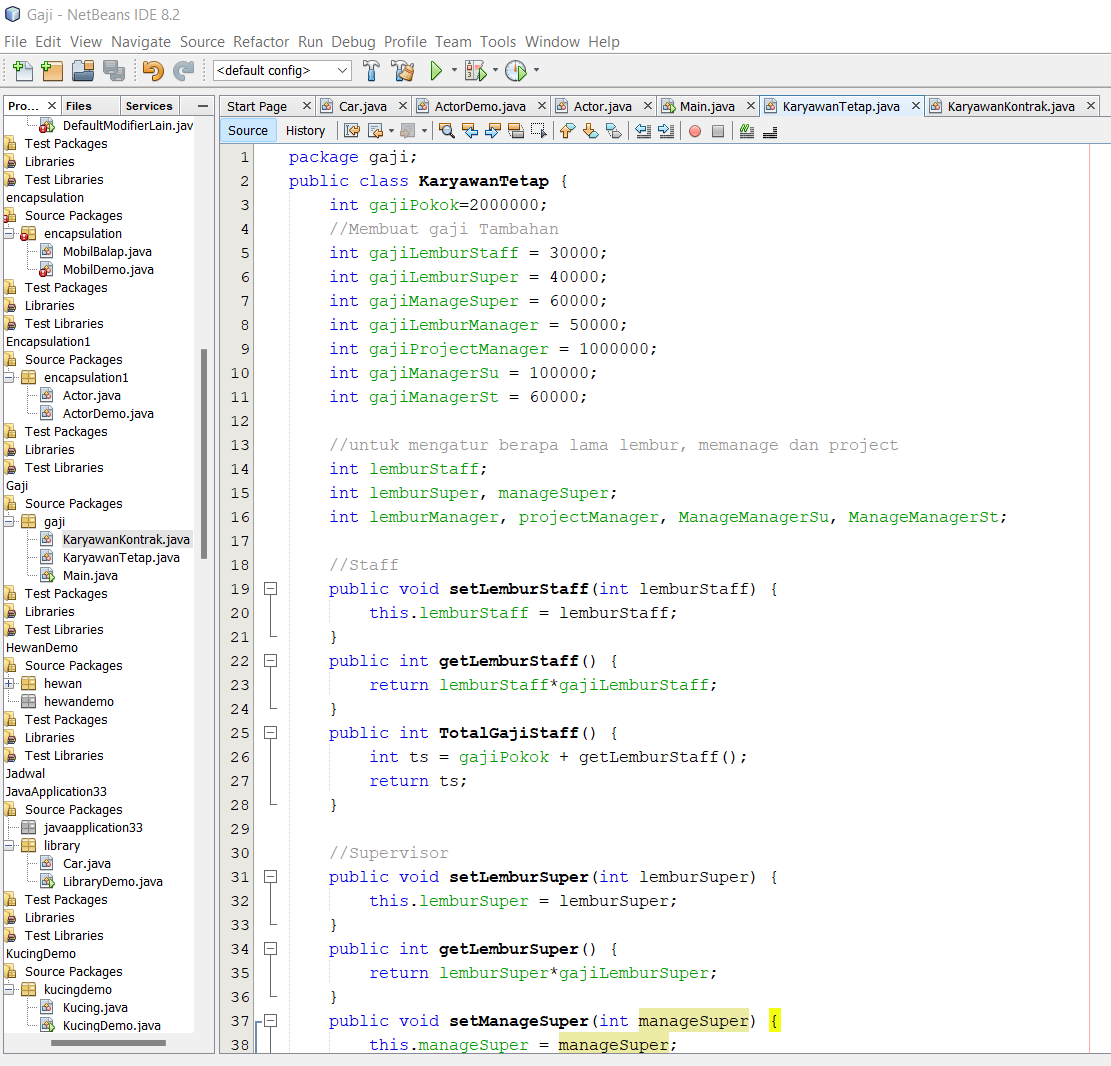


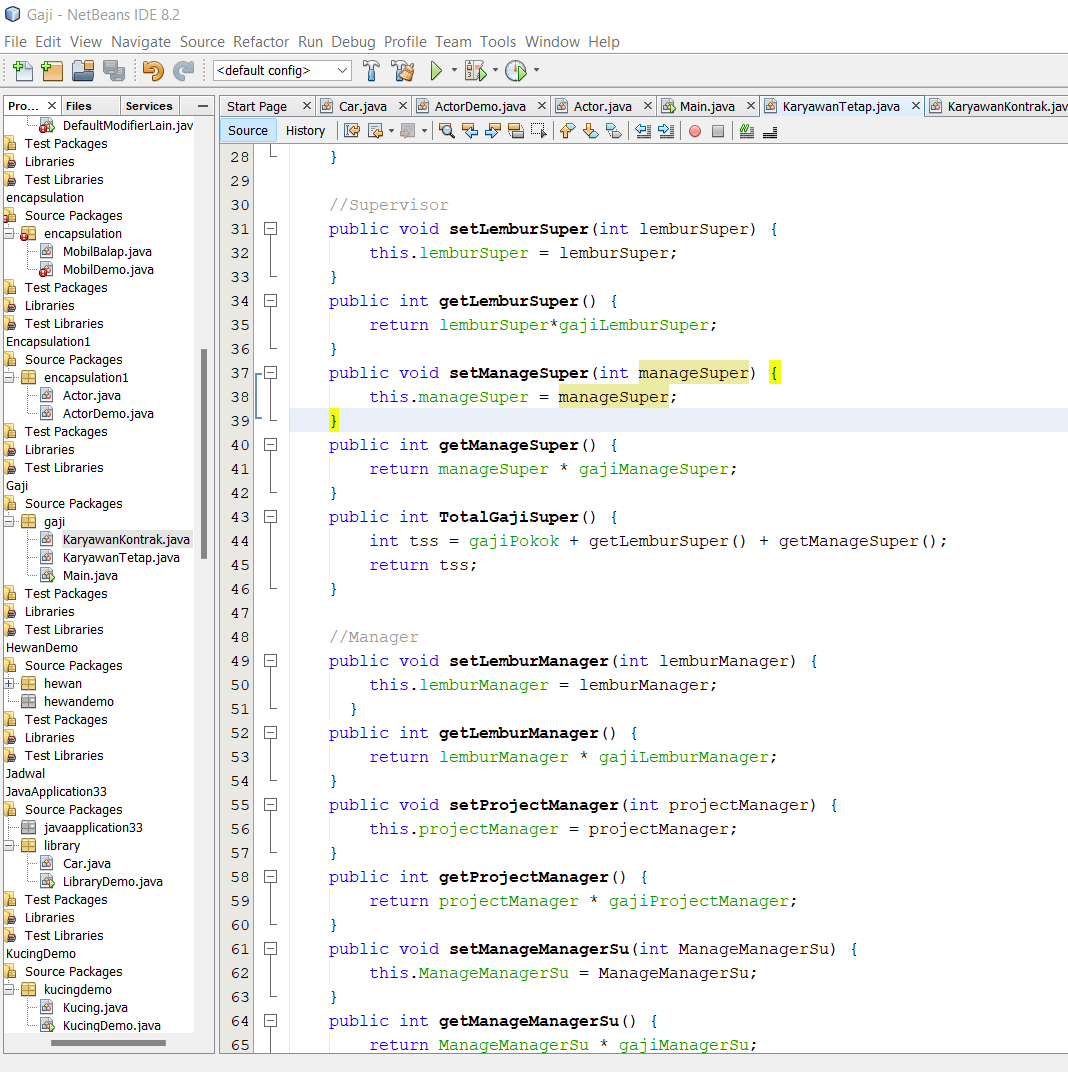
* Output :

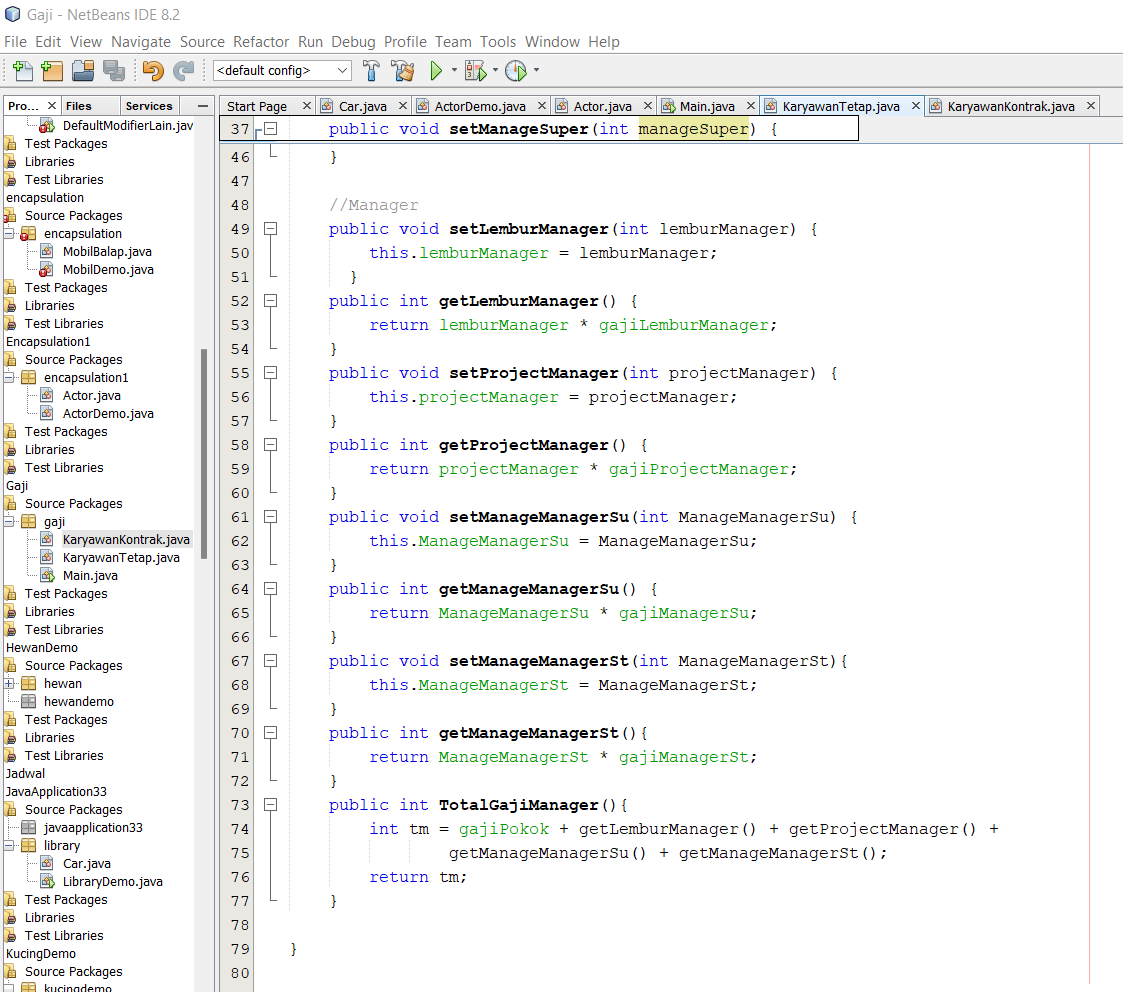


1. Program Gaji

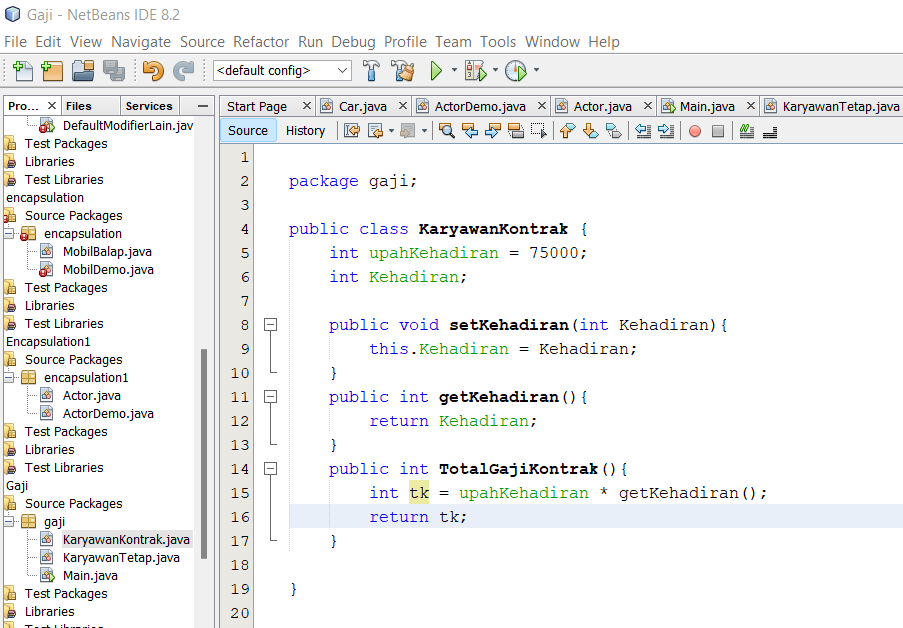
* KaryawanTetap.java



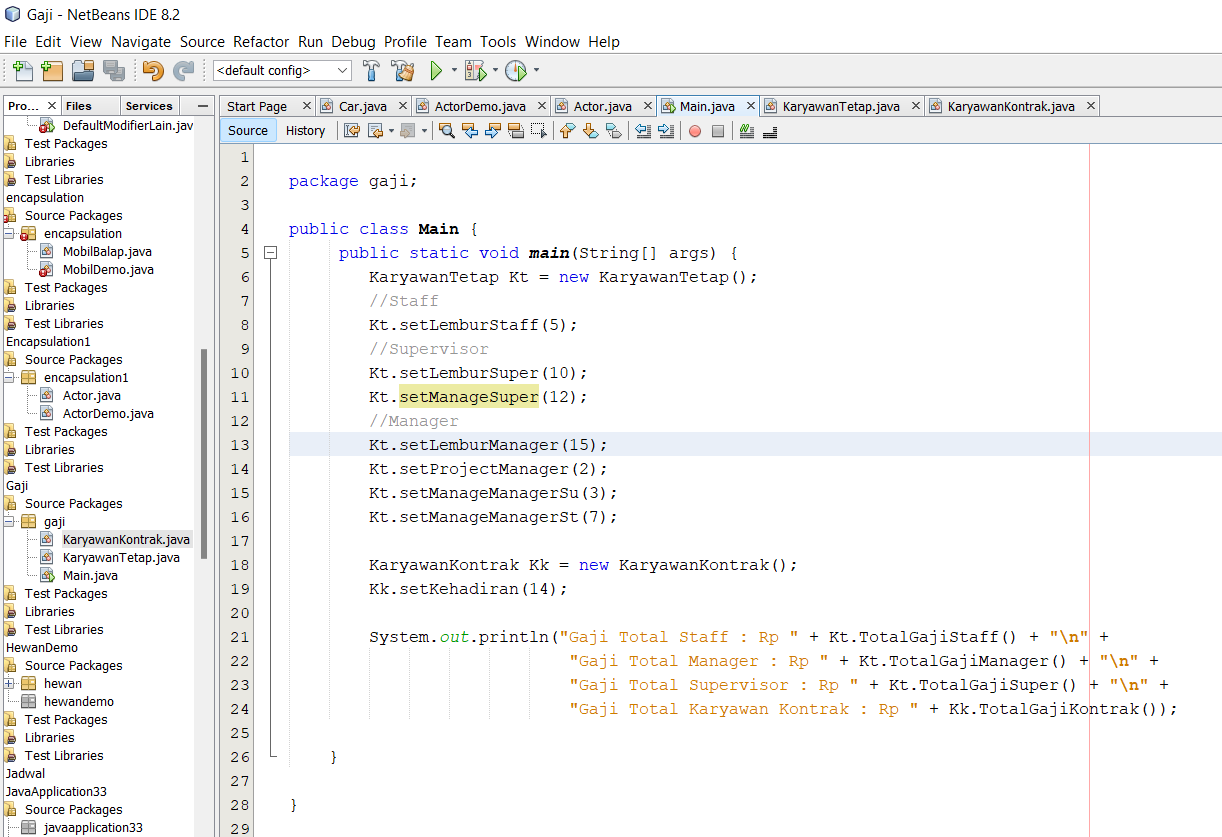




* KaryawanKontrak.java



* Main.java



* Output

