

Tugas Pemrograman Berorientasi Objek

Inheritance 2



Disusun oleh:

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TI-2B/24

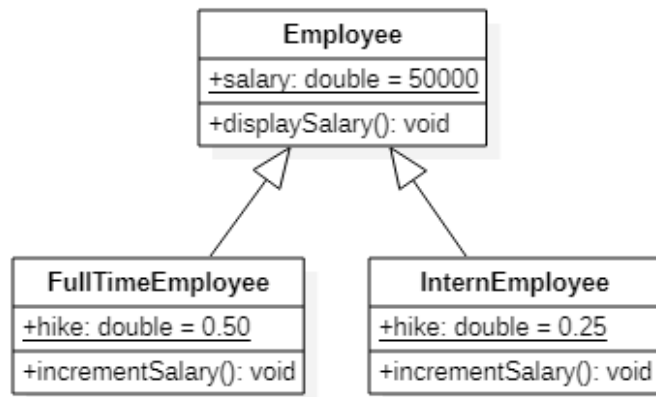
**D4 TEKNIK INFORMATIKA
TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
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Latihan

Carilah sebuah studi kasus dari hierarchical dan hybrid inheritance, kemudian gambarkan UML class diagramnya.

1. Hierarchical inheritance

Berikut class diagram implementasi hierarchical inheritance berupa class Employee, FullTimeEmployee, dan InternEmployee

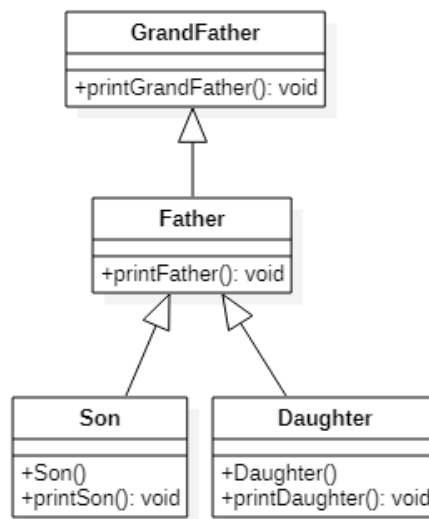


Berikut hasil eksekusi source code class-class di dalam class diagram di atas

```
Output - semester3 (run) x
run:
Salary of a full-time employee before incrementing:
Employee Salary: 50000.0 IDR
Salary of an intern before incrementing:
Employee Salary: 50000.0 IDR
Salary of a full-time employee after incrementing:
Employee Salary: 75000.0 IDR
Salary of an intern after incrementing:
Employee Salary: 62500.0 IDR
BUILD SUCCESSFUL (total time: 0 seconds)
```

2. Hybrid Inheritance

Berikut class diagram implementasi hierarchical inheritance berupa class GrandFather, Father, Son, dan Daughter.



Berikut hasil eksekusi source code class-class di dalam class diagram di atas

```
Output - semester3 (run) X
run:
Inside the Son Class
Son class has inherited Father class
Father class has inherited GrandFather class
GrandFather's class

Inside the Daughter Class
Daughter class has inherited Father class
Father class has inherited GrandFather class
GrandFather's class
BUILD SUCCESSFUL (total time: 0 seconds)
```