

PEMOGRAMAN JAVA

Yoannita

class

[constructor overloading]

Constructor Overloading

- As with methods, constructors can be overloaded.
- Example:

```
public Employee(String name, double salary, Date DoB)
public Employee(String name, double salary)
public Employee(String name, Date DoB)
```

- Argument lists *must* differ.
- You can use the `this` reference at the first line of a constructor to call another constructor.

Constructor Overloading

```
1  public class Employee {
2      private static final double BASE_SALARY = 15000.00;
3      private String name;
4      private double salary;
5      private Date    birthDate;
6
7      public Employee(String name, double salary, Date DoB) {
8          this.name = name;
9          this.salary = salary;
10         this.birthDate = DoB;
11     }
12     public Employee(String name, double salary) {
13         this(name, salary, null);
14     }
15     public Employee(String name, Date DoB) {
16         this(name, BASE_SALARY, DoB);
17     }
18     public Employee(String name) {
19         this(name, BASE_SALARY);
20     }
21     // more Employee code...
22 }
```

Memanggil parent class konstruktor

```
1  public class Manager extends Employee {
2      private String department;
3
4      public Manager(String name, double salary, String dept) {
5          super(name, salary);
6          department = dept;
7      }
8      public Manager(String n, String dept) {
9          super(name);
10         department = dept;
11     }
12     public Manager(String dept) {
13         department = dept;
14     }
15 }
```