
# Object Oriented Programming with Java (OOPJ)

Session 5: Arrays

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```java
class Employee{
    int i;
    String name;

    Employee(){
        System.out.println(
    }


}
class EmployeeDemo7{
    public static void main

        Employee e = new Em

    }


}
```

C:\WINDOWS\system32

```
Compiled from "EmployeeDemo7.java"
class Employee {
  int i;
  java.lang.String name;
  Employee();
}

C:\Test>javap EmployeeDEmo7
Warning: Binary file EmployeeDEmo7 contains Emplo
Compiled from "EmployeeDemo7.java"
class EmployeeDemo7 {
  EmployeeDemo7();
  public static void main(java.lang.String[]);
}

C:\Test>
```

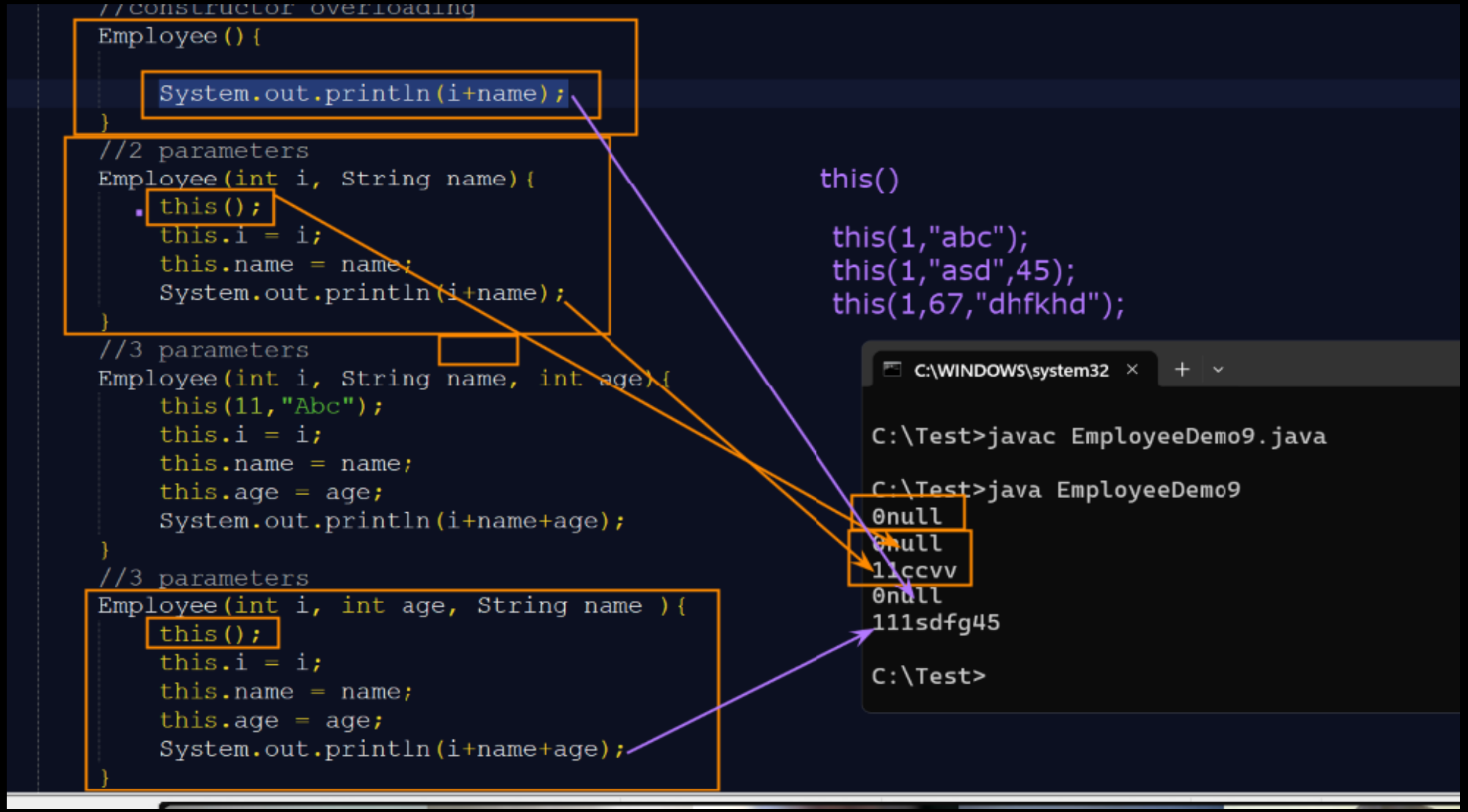
```java
class Employee{
    int i;
    String name;

    Employee(){
        System.out.println(i+name);
    }
    Employee(int i, String name){
        this.i = i;
        this.name = name;
        System.out.println(i+name);
    }

}
class EmployeeDemo7{
    public static void main(String args[]){

        Employee e = new Employee();
        Employee e1 = new Employee();

    }
```

```
C:\WINDOWS\system32

C:\Test>javap Employee
Compiled from "EmployeeDemo7.java
class Employee {
  int i;
  java.lang.String name;
  Employee();
  Employee(int, java.lang.String)
}

C:\Test>
```

```java
//constructor overloading
Employee(){
    System.out.println(i+name);
}
//2 parameters
Employee(int i, String name){
    this.i = i;
    this.name = name;
    System.out.println(i+name);
}
//3 parameters
Employee(int i, String name, int age){
    this.i = i;
    this.name = name;
    this.age = age;
    System.out.println(i+name+age);
}
//3 parameters
Employee(int i, int age, String name ){
    this.i = i;
    this.name = name;
    this.age = age;
    System.out.println(i+name+age);
}
```

Criteria for selection of constructor

1. No of parameter
2. Type of parameter


//constructor overloading
Employee(){
System.out.println(i+name);
}
//2 parameters
Employee(int i, String name){
this();
this.i = i;
this.name = name;
System.out.println(i+name);
}
//3 parameters
Employee(int i, String name, int age){
this(11,"Abc");
this.i = i;
this.name = name;
this.age = age;
System.out.println(i+name+age);
}
//3 parameters
Employee(int i, int age, String name ){
this();
this.i = i;
this.name = name;
this.age = age;
System.out.println(i+name+age);
}
this()
this(1,"abc");
this(1,"asd",45);
this(1,67,"dhfkhd");
C:\WINDOWS\system32
C:\Test>javac EmployeeDemo9.java
C:\Test>java EmployeeDemo9
0null
0null
11ccvv
0null
111sdfg45
C:\Test>

```
    int age;


    //constructor overloading
    Employee(){

        //System.out.println(i+name);
    }
    //2 parameters
    Employee(int i, String name){
        this();
        this.i = i;
        this.name = name;

        System.out.println(i+name);
    }
    //3 parameters
    Employee(int i, String name, int age){
        this(11,"Abc");
        this.i = i;
        this.name = name;
        this.age = age;
        System.out.println(i+name+age);
    }
    //3 parameters
    Employee(int i, int age, String name ){
        this();
```

Customer

id, name, age,ph

balcheck();

const chaining

Bank

bal;

withdraw()

deposite()

const chaining

Bank AppDEmo

Bank b;

Custo c;

```java
*/

class Example{
    void modify(Wrapper w){
        w.num = 20;//value is update
        System.out.println(w.num);//20
    }

                .

}

class Wrapper{
    int num;//10
    String name;

    Wrapper(int num, String name){
        this.num = num;
        this.name = name;
    }
}
class ExampleDemo2{
    public static void main(String args[]){

        Wrapper w = new Wrapper(10);
        Example e = new Example();
        e.modify(w);//20

        System.out.println(w.num);//20
```