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# SCALA METHODS AND INHERITENCE: HANDS ON LAB

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By [www.HadoopExam.com](http://www.HadoopExam.com)

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## Topics

1. Scala super class methods
2. Methods with default values
3. Use parameters name in methods
4. Method returning more than one values
5. Method with varargs

Calling Super class methods, using super keywords.

```
trait Person {  
  def info = println(" I am a non working Person")  
}  
  
trait Employee extends Person{  
  override def info = println(" I am a Permanent Employee")  
}  
  
trait Contractor extends Person {  
  override def info = println(" I am a Contractor")  
}  
  
class Test extends Person with Contractor with Employee {  
  super.info  
  super[Employee].info  
  super[Contractor].info  
}
```

### Defining methods with default values

**Default value argument must be the last one.**

```
class Test {  
  def defaultValues(name:String, salary:Int ,bonus:Int=1000){  
    println(s"Name : $name , Salary : $salary , Bonus : $bonus")  
  }  
  
  def getEmployeeInfo()={  
    ("Amit",80000,5000)  
  }  
  
  def allEmployeeNames(name:String*)={  
    name.foreach(println)  
  }  
}  
  
val t = new Test  
  
t.defaultValues("Amit",10000)  
  
//Using parameters name while calling the methods  
t.defaultValues(name="Amit",salary=10000)  
  
//Changing the parameters order.  
t.defaultValues(salary=10000,name="Amit")  
  
//Method returning tuples  
t.getEmployeeInfo  
val r=t.getEmployeeInfo
```

```
r._1  
r._2
```

```
//Assigning tuple result to variable  
val (name,salary, bonus)=t.getEmployeeInfo
```

```
//Example for varargs
```

```
t.allEmployeeNames()  
t.allEmployeeNames("Amit", "Rakesh")  
t.allEmployeeNames("Amit", "Rakesh", "Jinesh")
```

```
//Example varargs with Sequence(Array,List,Seq etc)
```

```
//You can have only one varargs and has to be the last one. In method definition.
```

```
val name = List("Amit", "Rakesh", "Jinesh")  
t.allEmployeeNames(name: _*)
```

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