

Exercise

- Create a Scala class that has three constructors with one, two and three parameters respectively.
- It should display the output on object instantiation and the output should be:
First_name, Last_name, age
- Use Auxiliary Constructors

Solution:

```
class Person(val firstName: String, val lastName: String, val age: Int) { // primary  
  constr.
```

```
  // A secondary constructor
```

```
  def this(firstName: String) {  
    this(firstName, "", 0);  
    println("\nNo last name or age given.")  
  }
```

```
  // Another secondary constructor
```

```
  def this(firstName: String, lastName: String) {  
    this(firstName, lastName, 0);  
    println("\nNo age given.")  
  }  
  override def toString: String = {  
    return "%s %s, age %d".format(firstName, lastName, age)  
  }  
}
```

Object AuxConstructors {

```
def main(args: Array[String]) {  
  // (1) use the primary constructor  
  val al = new Person("Hanna", "Svensson", 20)  
  println(al)  
  // (2) use a secondary constructor  
  val fred = new Person("Fred", "Flinstone")  
  println(fred)  
  // (3) use a secondary constructor  
  val barney = new Person("Christian")  
  println(barney)  
}  
  
}
```

Output:

// Primary Constructor

Hanna Svensson, age 20

// 2nd Constructor

No age given.

Fred Flinstone, age 0

// 3rd Constructor

No last name or age given.

Christian , age 0