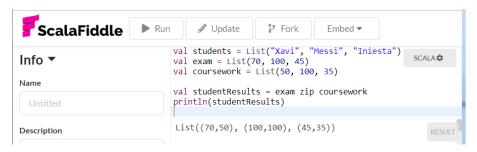## Unit 5e: Zipping

1   Introduction

The *zip* function creates a new collection by merging a collection into the current collection.

The new collection consists of **Tuple2** elements – more on tuples later.

It can be used with both Mutable and Immutable collections.

Let's look at an example:

Here the marks for coursework and exam are combined into a tuple of 2 values – a **Tuple2**.

What if we then add the student names:

```
val studentResults = students zip (exam zip coursework)
println(studentResults)




List((Xavi,(70,50)), (Messi,(100,100)), (Iniesta,(45,35)))
```