

```
1) val details = sc.textFile("/bigdata/orders/details.txt")  
  
val group = details.map(s => {s.split(",")(0).toInt,  
    s.split(",")(1).toInt,  
    s.split(",")(2),  
    s.split(",")(3).toInt})  
  
group.collect()  
  
val result = group.reduceByKey((a+b) => a+b)  
  
result.collect()
```

```
2) case class Details(order_number: Int, line_number: Int, item_name: String, quantity: Int)  
  
val details = sc.textFile("/bigdata/orders/details.txt").  
    map(_.split(",")).  
    map(attributes => Details(attributes(0).trim.toInt,  
        attributes(1).trim.toInt,  
        attributes(2).trim(),  
        attributes(3).trim.toInt).toDS()  
  
val totalQuantity = details.groupBy($"order_number").sum("quantity")  
  
totalQuantity.show()
```

3) case class Details(order\_number:int, line\_number:int, item\_name:String,  
quantity:int)

val details = sc.textFile("/bigdata/orders/details.txt").

map(\_.\_split(",")).

map(attributes => Details(attributes(0).trim.toInt,  
attributes(1).trim.toInt,  
attributes(2).trim(),  
attributes(3).trim.toInt).  
toDF())

details.createOrReplaceTempView("ordDetails")

val totalQuantity = spark.sql("select sum(quantity) from ordDetails  
group by order\_details")

totalQuantity.show()