```
scala> case class Part( name: String, total:Long)
defined class Part
scala> val lines = sc.textFile("sales.txt")
lines: org.apache.spark.rdd.RDD[String] = sales.txt MapPartitionsRDD[3]
at textFile at <console>:24
scala> val partsDS = lines.map( .split("
")).map(attributes=>Part(attributes(0),attributes(1).toInt)).toDS()
partsDS: org.apache.spark.sql.Dataset[Part] = [name: string, total:
bigint]
scala> partsDS.show()
+----+
| name|total|
+----+
| bolt| 45|
| bolt| 5|
|drill| 1|
|drill|
          1 |
          1 |
|screw|
|screw|
         2 |
|screw|
+----+
scala> val partsDF = partsDS.toDF();
partsDF: org.apache.spark.sql.DataFrame = [name: string, total: bigint]
scala> partsDF.show()
+----+
| name|total|
+----+
| bolt| 45|
| bolt| 5|
|drill| 1|
         1 |
|drill|
         1 |
|screw|
         2 |
|screw|
|screw|
+----+
scala> partsDF.createOrReplaceTempView("partsTable")
scala> spark.sql("SELECT name, sum(total) FROM partsTable GROUP BY name")
res3: org.apache.spark.sql.DataFrame = [name: string, sum(total): bigint]
scala> res3.show()
+----+
| name|sum(total)|
+----+
| bolt| 50|
|drill| 2|
|screw| 6|
+----+
```