

## SPARK SCALA TASK

Calculate the number of black queen in largedeck of cards

### Step 1: spark-shell

Step 2 : create a variable the store the largedeck

Step 3: calculate the black cards count

```

cloudera@quickstart:~  
File Edit View Search Terminal Help  
 version 1.6.0  
Using Scala version 2.10.5 (Java HotSpot(TM) 64-Bit Server VM, Java 1.7.0_67)  
Type in expressions to have them evaluated.  
Type :help for more information.  
21/06/14 06:47:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library  
for your platform... using builtin-java classes where applicable  
Spark context available as sc (master = local[*], app id = local-1623678563730).  
21/06/14 06:51:08 WARN shortcircuit.DomainSocketFactory: The short-circuit local  
reads feature cannot be used because libhadoop cannot be loaded.  
SQL context available as sqlContext.  
  
scala> var cards = sc.textFile("/user/mydir/largedeck.txt")  
cards: org.apache.spark.rdd.RDD[String] = /user/mydir/largedeck.txt MapPartition  
sRDD[1] at textFile at <console>:27  
  
scala> var blackcards = cards.filter(value => value.contains("BLACK"))  
blackcards: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[2] at filter at  
<console>:29  
  
scala> blackcards.count()  
res0: Long = 27262976
```

Step 4 : calculate the count of black Queen

```
scala> var blackcards = cards.filter(value => value.contains("Q")).filter(value
=> value.contains("BLACK"))
blackcards: org.apache.spark.rdd.RDD[String] = MapPartitionsRDD[8] at filter at
<console>:29

scala> blackcards.count()
res4: Long = 2097152

scala>
```