

```
scala> val x = sc.parallelize(List(1,2,3,4,5,6,7,8,9,10))
x: org.apache.spark.rdd.RDD[Int] = ParallelCollectionRDD[2] at parallelize at <console>:24
```

```
scala> val y = x.reduce((a,b)=> a+b)
y: Int = 55
```

```
scala> x.count()
res4: Long = 10
```

```
scala> val y = x.sum
y: Double = 55.0
```

```
scala> val average = (y:Double)/x.length
<console>:28: error: value length is not a member of org.apache.spark.rdd.RDD[Int]
      val average = (y:Double)/x.length
                                ^
```

```
scala> val average = (y:Double)/x.count
average: Double = 5.5
```

```
scala> val evenNumbersRDD = x.filter(i=>(i%2 ==0))
evenNumbersRDD: org.apache.spark.rdd.RDD[Int] = MapPartitionsRDD[4] at filter at <console>:26
```

```
scala> evenNumbersRDD.sum
res5: Double = 30.0
```

```
scala> val divisibleRDD = x.filter(i=>(i%3 ==0 && i%5 == 0))
divisibleRDD: org.apache.spark.rdd.RDD[Int] = MapPartitionsRDD[6] at filter at <console>:26
```

```
scala> divisibleRDD.count
res6: Long = 0
```

```
scala> █
```