

```
[acadgild@localhost ~]$ scala
Welcome to Scala 2.12.4 (Java HotSpot(TM) 64-Bit Server VM, Java
1.8.0_151).
Type in expressions for evaluation. Or try :help.
```

```
// Task1
```

```
// creating the list with different values.
```

```
scala> val values=List("alpha", "gamma", "omega", "zeta", "beta")
values: List[String] = List(alpha, gamma, omega, zeta, beta)
```

```
// counting strings of length 4
```

```
val countWithLength= values.count(s=>s.length==4)
countWithLength: Int = 2
```

```
// converting list of strings to list of integers where each element of
list corresponds to the length of that string.
```

```
scala> val listWithCountOfLength=values.map(s=>s.length)
listWithCountOfLength: List[Int] = List(5, 5, 5, 4, 4)
```

```
// counting the strings contains alphabet "m"
```

```
scala> val listCountWithAlphabet=values.count(s=>s.contains('m'))
listCountWithAlphabet: Int = 2
```

```
// counting all the strings starts with alphabet "a"
```

```
scala> val countStartWithAlphabet=values.count(s=>s.startsWith("a"))
countStartWithAlphabet: Int = 1
```

```
// Task2
```

```
scala> val
```

```
tupleValues=List((1,"alpha"), (2,"gamma"), (3,"omega"), (4,"zeta"), (5,"beta"
))
tupleValues: List[(Int, String)] = List((1,alpha), (2,gamma), (3,omega),
(4,zeta), (5,beta))
```

```
Printing the numbers where corresponding string length is 4
```

```
scala> for(lists<-tupleValues )
| {
| if(lists._2.length==4)
| println(lists._1)
| }
```

```
4
```

```
5
```

```
// average of all the numbers where corresponding string contains "m" or
"z"
```

```
scala> var sum=0
```

```
sum: Int = 0
```

```
scala> var count=0
```

```
count: Int = 0
```

```
scala> for(lists<-tupleValues)
| {
| if(lists._2.contains("m")||lists._2.contains("z"))
| {
| sum+=lists._1
| count+=1
| }
| }
```

```
scala> println(s"sum of numbers is $sum")
sum of numbers is 9
```

```
scala> println(s"count of numbers are $count")
count of numbers are 3
```

```
scala> println(s"average is ${sum/count}")
average is 3
```