## Assignment - 14.1

Task1: Given a list of strings - List[String] ("alpha", "gamma", "omega", "zeta", "beta")

1.1- Find count of all strings with length 4.

## Command used:

1.2 - Convert the list of string to a list of integers, where each string is mapped to its corresponding length.

## Command used:

1.3 - Find count of all strings which contain alphabet 'm'.

## Command used:

1.4- Find the count of all strings which start with the alphabet 'a'.

Command used:

<u>Task2:</u> Create a list of tuples, where the 1st element of the tuple is an int and the second element is a string. Example - ((1, 'alpha'), (2, 'beta'), (3, 'gamma'), (4, 'zeta'), (5, 'omega'))

2.1 - For the above list, print the numbers where the corresponding string length is 4.

Command used:

2.2 - Find the average of all numbers, where the corresponding string contains alphabet 'm' or alphabet 'z'.

Command used:

```
val strnew = List((1, "alpha"), (2, "beta"), (3, "gamma"), (4, "zeta"), (5,
"omega"))
val s2 = (strnew.collect{case (n,str1) if (str1.contains("m") ||
str1.contains("z")) => n})
val s3 = s2.sum / s2.size
val strnew = List((1, "alpha"), (2, "beta"), (3, "gamma"), (4, "zeta"), (5, "omega"))
                                       //> strnew : List[(Int, String)] = List((1,alpha), (2,beta), (3,gamma), (4,zet
                                       // a), (5,omega))
val s2 = (strnew.collect{case (n,str1) if (str1.contains("m") || str1.contains("z")) => n})
                                      //> s2 : List[Int] = List(3, 4, 5)
                                       //> List(3, 4, 5)
println(s2)
                                      //> s3 : Int = 4
val s3 = s2.sum / s2.size
println(s3)
```