ASSIGNMENT

Task1: Create a list of strings

- a. Count the string with length 4
 - → Command used: val list1 = List(alpha, gamma, omega, zeta, beta)
 - → list1.filter(s => s.length ==4)
 - → list1.count(s => s.length ==4)

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- b. Convert the list of string to a list of integers, where each string is mapped to its corresponding length.
 - → Command used: val list2 = list1.map(_.length)

- c. Find count of all strings which contain alphabet 'm'
 - → Command used: list1.count(s= > s.contains("m"))

- d. Find the count of all strings which start with the alphabet 'a'
 - → Command used: list1.count(s => s.startsWith("a"))

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scala> list1.count(s=> s.startsWith("a"))
res104: Int = 1

scala>
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Task2: create a list of tuples

- → Command used: val ListTuple = List[(Int, String)]{(1, "alpha"), (2, "beta"), (3, "gamma"), (4, "zeta"), (5, "omega")}
- a. For the above list, print the numbers where the corresponding string length is 4
- → Command used: ListTuple.foreach(t => if(t._2.length=4) println(t._1))

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

Val average = sum/total_matching_numbers

average