1. **Problem Statement:**

Given a list of strings - List[String] (“alpha”, “gamma”, “omega”, “zeta”, “beta”)

- find count of all strings with length 4

- convert the list of string to a list of integers, where each string is mapped to its

corresponding length

- find count of all strings which contain alphabet ‘m’

- find the count of all strings which start with the alphabet ‘a’

**Source Code:**

object Basic extends App {

val lst1 = List("gamma","alpha","omega","zeta","beta")

var result = println(lst1.count(x => x.length == 4)) // count of all strings with length '4'

var lenghts = println(lst1.map(\_.length)) // list of string to list of integers where each element is replaced with its length.

var word = println(lst1.count(x => x.contains("m"))) //count of all strings with alphabet 'm'

val res = lst1.filter(\_.startsWith("a")) // strings which starts with alphabet 'a'

val res2 = println(res) //print the strings which starts with alphabet 'a'

val res3 = println(res.count( x => x.length > 0)) // count of all strings which starts with alphabet 'a'

}

**Output:**

2

List(5, 5, 5, 4, 4)

2

List(alpha)

1

