Session 12

Assignment 2

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# Change History

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# 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’

# Solutions

**Commands run**

## Create a list of strings:

*scala> val words = List ("alpha","gamma","omega","zeta","beta")*

*words: List[String] = List(alpha, gamma, omega, zeta, beta)*

## Find count of all strings with length 4

*scala> val strlength =words.count(s=> s.length ==4)*

*strlength: Int = 2*

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

*scala> val strmap = words.map (s=> s.length)*

*strmap: List[Int] = List(5, 5, 5, 4, 4)*

## Find count of all strings which contain alphabet ‘m’

*scala> val strm = words.count (s=> s.contains("m"))*

*strm: Int = 2*

## Find count of all strings which start with the alphabet ‘a’

*scala> val stra = words.count (s=>s.charAt(0).equals('a'))*

*stra: Int = 1*