**Session 4**

**Assignment 4.7**

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Course: Big Data Hadoop & Spark Training

Introduction

In this assignment, we are going to write a SCALA REPL commands to achieve the provided task,

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’

Task 1

Find count of all strings with length 4,

Scala REPL

***scala> var tuple:List[(String)] = List ("alpha", "gamma", "omega", "zeta", "beta")***

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

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***scala> tuple.count(s=> s.length == 4)***

***res0: Int = 2***

Output



Task2

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

Scala REPL

***scala> tuple.map(s=> s.length)***

***res1: List[Int] = List(5, 5, 5, 4, 4)***

Output



Task3

Find count of all strings which contain alphabet ‘m’

Scala REPL

***scala> tuple.count(s=> s.contains("m"))***

***res2: Int = 2***

Output



Task4

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

Scala REPL

***scala> tuple.count(s=> s.charAt(0) == 'a')***

***res3: Int = 1***

Output

