

Session 14: Scala Basics 1 Assignment 1

Student Name: Subham Vishal

Course: Big Data Hadoop & Spark Training

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)
```

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

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

```
res0: Int = 2
```

Output

```
scala> tuple.count(s=> s.length == 4)
res0: Int = 2
```

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

```
scala> tuple.map(s=> s.length)
res1: List[Int] = List(5, 5, 5, 4, 4)
```

Task3

Find count of all strings which contain alphabet 'm'

Scala REPL

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

```
res2: Int = 2
```

Output

```
scala> tuple.count(s=> s.contains("m"))  
res2: Int = 2
```

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

```
scala> tuple.count(s=> s.charAt(0) == 'a')  
res3: Int = 1
```