## databricks Scala Programming Exercise\_Sumit

```
/*
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'
*/
// Create a list
val list = List("alpha", "gamma", "omega", "zeta", "beta")
list: List[String] = List(alpha, gamma, omega, zeta, beta)
// - find count of all strings with length 4
// Method-1
list.count(x => x.length == 4)
res4: Int = 2
// - find count of all strings with length 4
// Method-2
list.count(_.length == 4)
res5: Int = 2
// - convert the list of string to a list of integers, where each string is
mapped to its corresponding length
list.map(s => (s.length))
res6: List[Int] = List(5, 5, 5, 4, 4)
// - convert the list of string to a list of integers, where each string is
mapped to its corresponding length
// List is having mapping of each string with the corresponding length
list.map(s => (s, s.length))
```

```
res7: List[(String, Int)] = List((alpha,5), (gamma,5), (omega,5), (zeta,4), (b
eta,4))

// - find count of all strings which contain alphabet 'm'
list.map(s => s.count(_ == 'm')).count(s => s != 0)

res8: Int = 2

res9: Int = 1
```