



Session 12

Assignment 2 Questions

ACADGILD

Problem Statement

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

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

1:- find count of all strings with length 4

```
scala> word.filter(_.length==4)  
res4: List[String] = List(zeta, beta)
```

2:- convert the list of string to a list of integers, where each string is mapped to its corresponding length

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

scala> word.map(_.length)
res7: List[Int] = List(5, 5, 5, 4, 4)

scala> res7 foreach println
5
5
5
4
4
```

3:-find count of all strings which contain alphabet 'm'

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

scala> word.filter(_.contains("m"))
res13: List[String] = List(gamma, omega)

scala>
```

4:- find the count of all strings which start with the alphabet 'a'

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

scala> word.filter(_.startsWith("a"))
res11: List[String] = List(alpha)

scala>
```