Assignment 12.2

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'

Solution:-

- **find count of all strings with length 4**

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

scala> println(list)
List(alpha, gamma, omega, zeta, beta)

scala> list.count(s => s.length == 4)
res1: Int = 2

scala>
```

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

```
scala> list.map(s => s.length)
res2: List[Int] = List(5, 5, 5, 4, 4)

scala>
```

- **find count of all strings which contain alphabet 'm'**

```
scala> list.count(s => s.contains("m"))
res3: Int = 2

scala>
```

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

```
scala> list.count(s => s.charAt(0) == 'a')
res4: Int = 1

scala>
```