

**Problem-1** Given a list of strings - List[String] (“alpha”, “gamma”, “omega”, “zeta”, “beta”). Find count of all strings with length 4.

**Solution-**

We have created the List first using below command-

**Val test1 : List[String] = List(“alpha”, “gamma”, “omega”, “zeta”, “beta”)**

It gives a List of string.

Now in order to find count of all strings with length 4 we will run below command-

**Test1.count(s=> s.length == 4)**

It gives result as 2 as shown below-

```
scala> val test1 : List[String] = List("alpha","gamma","omega","zeta","beta")
test1: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> test1.count(s=> s.length == 4)
res0: Int = 2

scala> █
```

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

We will run below command to find the result-

**Test1.map(s=> s.length)**

It gives a list of integers mapped with the length of strings present in test1 as shown below-

```
scala> val test1 : List[String] = List("alpha","gamma","omega","zeta","beta")
test1: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> test1.map(s=> s.length)
res2: List[Int] = List(5, 5, 5, 4, 4)

scala> █
```

**Problem-3-** Find count of all strings which contain alphabet ‘m’.

We will run below command to find count of all strings which contain alphabet ‘m’.

**Test1.count(s=> s.contains(“m”))**

It gives us a result of 2 as shown below-

```
scala> val test1 : List[String] = List("alpha","gamma","omega","zeta","beta")
test1: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> test1.count(s=> s.contains("m"))
res5: Int = 2

scala> █
```

**Problem-4-** Find the count of all strings which start with the alphabet 'a'

We will run below command to find count of all strings which start with the alphabet 'a'-

Test1.count(s=> s.charAt(0) == 'a')

It will give result as **1** as shown below-

```
scala> val test1 : List[String] = List("alpha","gamma","omega","zeta","beta")
test1: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> test1.count(s=> s.charAt(0) == 'a')
res15: Int = 1

scala> █
```