

**Explanation:-**

We have created the list named **“names”** of type **val.** Here we have explicitly mentioned list type as “String”. Even if we didn’t specify the type explicitly, Scala will automatically interpret it.



**Question 1:-**



**Solution to Question 1:-**

We have counted the number of strings with length 4 in the list named **“names”** using the below function.



Here the output is 2 because “names” have two strings of length 4 such as **“zeta” and “beta”.**

**Question 2:-**



**Solution to Question 2:-**

We have mapped the strings in the list **“names”** with its corresponding length using below function.



**Question 3:-**



**Solution to Question 3:-**

We have counted the no of strings in the list named **“names”** with the help of below function.



Here the two strings that contains “m” is **“gamma”** and **“omega”**.

**Question 4:-**



**Solution to Question 4:-**

We have counted the strings in the list named “names” with the help of below function.



Here one String that starts with “a” is **“alpha”**.