**Assignment 12.2**

**Problem Statement**

**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:

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

//- find count of all strings with length 4

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//- find count of all strings which contain alphabet ‘m’

//- find the count of all strings which start with the alphabet ‘a’

**package** com.stringmanipulate

**object** StringManipulation {

**def** main(args: Array[String]): Unit = {

**var** listString = List("alpha", "gamma", "omega", "zeta", "beta");

print(listString);

**var** listString4 = listString.filter(p => p.length() == 4)

println();

print("count of all strings with length 4:\t" + listString4.length);

println();

**var** listInt = listString.map(c => c.length)

print("list of integers, where each string is mapped to its corresponding length:\t" + listInt);

println();

**var** listStringContainsM = listString.filter(p => p.contains("m") == **true**)

print("count of all strings which contain alphabet ‘m’:\t" + listStringContainsM.length);

println();

**var** listStringStartWithA = listString.filter(p => p.startsWith("a") == **true**)

print("count of all strings which start with the alphabet ‘a’:\t" + listStringStartWithA.length);

}

}

