ACD\_BDD2.3\_Session\_12\_Assignment\_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’

**object** ScalaDataStructures **extends** App {

**val** myList = List("alpha", "gamma", "omega", "zeta", "beta")

**var** letter4 = 0

**var** counta = 0

**var** countm = 0

**val** map = scala.collection.mutable.Map[*String*, Int]()

**for** (i <-myList)

{

**if** (i.length()==4)

{

letter4 = letter4 + 1

}

map.put(i,i.length())

**if** (i.contains("a"))

{

counta +=1

}

**if** (i.contains("m"))

{

countm +=1

}

}

println("count of all strings with length 4 : " + letter4)

println("each string is mapped to its corresponding length : " + map)

println("count of all strings which contain alphabet ‘m’ : " + countm)

println("count of all strings which start with the alphabet ‘a’ : " + counta)

}

Output

count of all strings with length 4 : 2

each string is mapped to its corresponding length : Map(beta -> 4, alpha -> 5, omega -> 5, gamma -> 5, zeta -> 4)

count of all strings which contain alphabet ‘m’ : 2

count of all strings which start with the alphabet ‘a’ : 5