ACD\_BDD2.3\_Session\_12\_Assignment\_3

Create a list of tuples, where the 1st element of the tuple is an int and the second element is a string.

Example - ((1, ‘alpha’), (2, ‘beta’), (3, ‘gamma’), (4, ‘zeta’), (5, ‘omega’))

- for the above list, print the numbers where the corresponding string length is 4

- find the average of all numbers, where the corresponding string contains alphabet ‘m’

or alphabet ‘z’

**object** scalaTuple **extends** App {

**val** t = Map(1 -> "alpha", 2 -> "beta", 3 -> "gamma", 4 -> "zeta", 5 -> "omega")

**var** count = 0

**var** sum = 0

**for** ( i <- t.keys)

{

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

{

println("number matching length 4 : " + i)

}

**if** ( (t(i).contains("m")) || (t(i).contains("z") == **true** ))

{

count +=1

sum +=i

}

}

println("average of all numbers, where the corresponding string contains alphabet ‘m’ or alphabet ‘z’ is " + (sum/count) )

}

Output :-

number matching length 4 : 2

number matching length 4 : 4

average of all numbers, where the corresponding string contains alphabet ‘m’ or alphabet ‘z’ is 4