Assignment12.3

Task1: print the numbers where the corresponding string length is 4

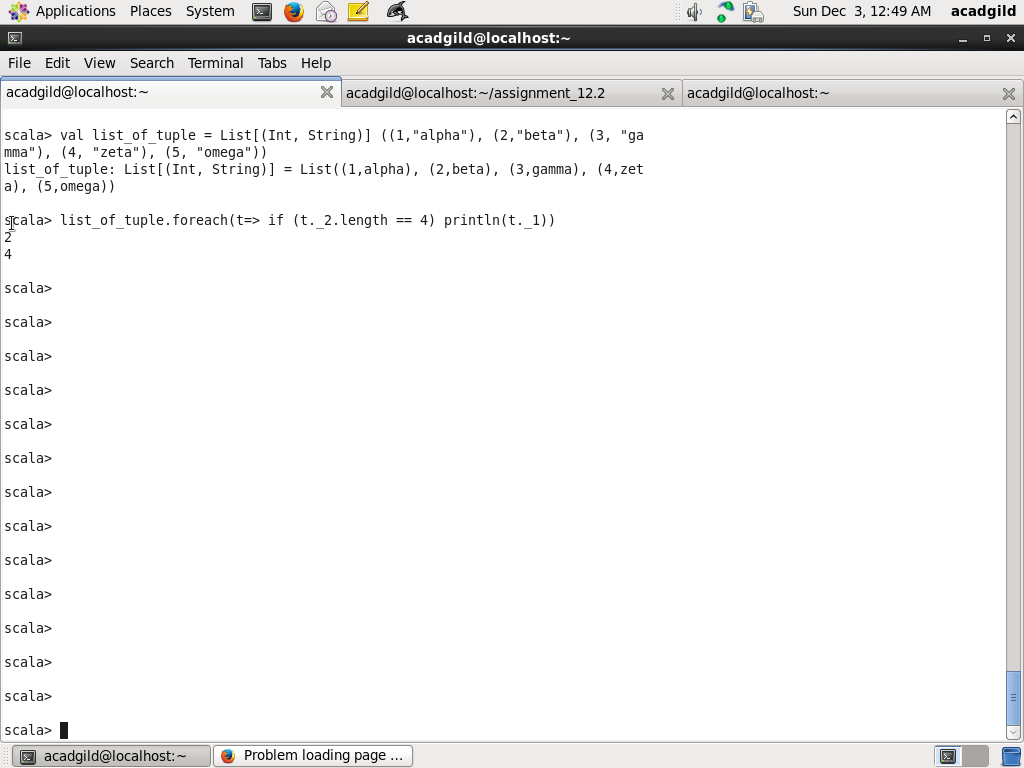
Step1: Create a list\_of\_tuple using command below:

val list\_of\_tuple = List[(Int, String)] ((1,"alpha"), (2,"beta"), (3, "gamma"), (4, "zeta"), (5, "omega"))

Step2: Use foreach to iterate over the list of tuples, print the number for which string length is 4 as below

list\_of\_tuple.foreach(t=> if (t.\_2.length == 4) println(t.\_1))

Screenshot is as below:



Task2:

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

or alphabet ‘z’

Step1: Create a list\_of\_tuple using command below:

val list\_of\_tuple = List[(Int, String)] ((1,"alpha"), (2,"beta"), (3, "gamma"), (4, "zeta"), (5, "omega"))

Step2:

Create two variables sum and no\_of\_matching\_elements and initialize them to 0

var sum = 0

var no\_of\_matching\_elements = 0

Step3: Iterate over the list of tuples and sum the numbers and increment no\_of\_matching\_elements the for which string value contains either alphabet ‘m’ or ‘z’

list\_of\_tuple.foreach{t=> if (t.\_2.contains('m') || t.\_2.contains('z')) {

| sum += t.\_1

| no\_of\_matching\_elements += 1

| }

| }

Step4: Calculate average by dividing sum by no\_of\_matching\_element and print the average

val average = sum.toFloat / no\_of\_matching\_elements.toFloat

println(average)

Screenshot is as below:

