**ASSIGNMENT-12.3**

**Problem**: 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’

Code:

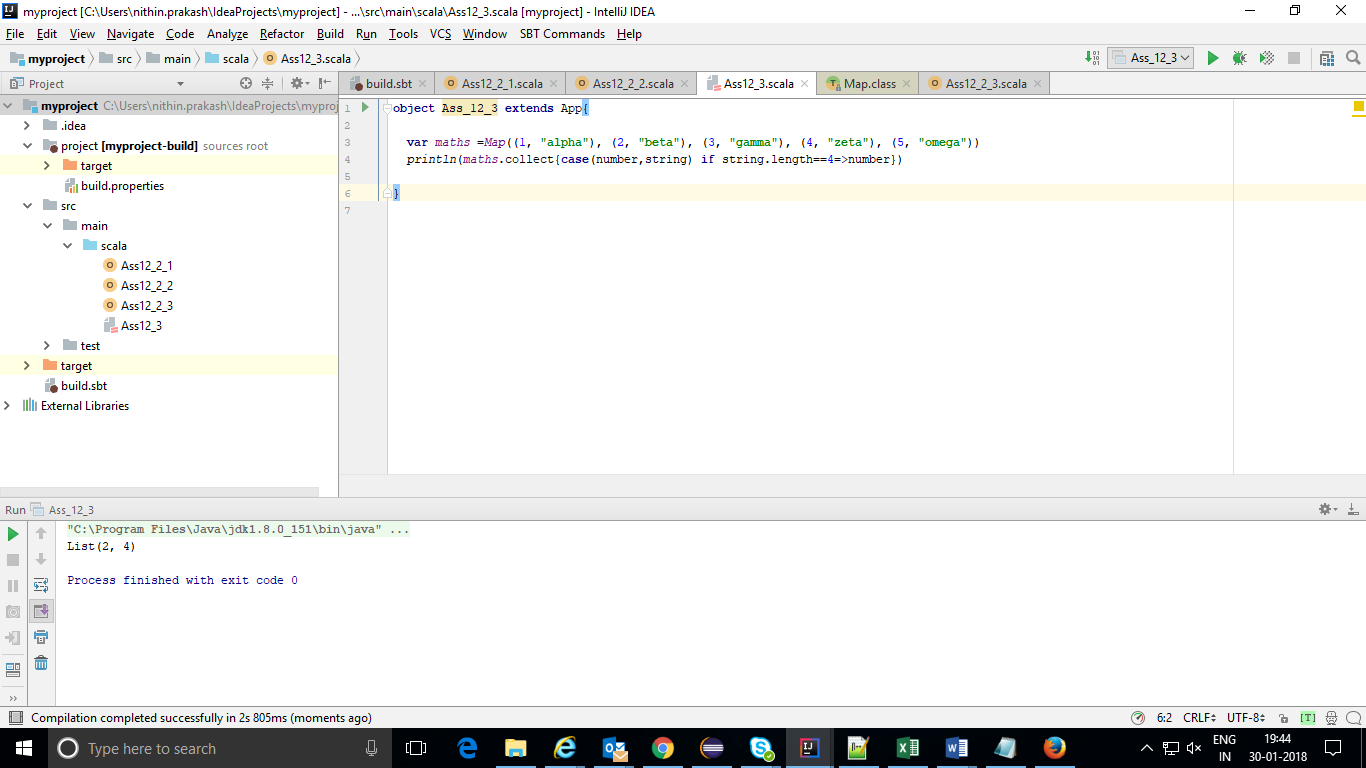
object Ass\_12\_3 extends App {

var maths =Map((1, "alpha"), (2, "beta"), (3, "gamma"), (4, "zeta"), (5, "omega"))

println(maths.collect{case(number,string) if string.length==4=>number})

}

Output : List(2,4)



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

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

or alphabet ‘z’

**CODE:**

object Ass\_12\_3\_2 extends App {

var maths =Map((1, "alpha"), (2, "beta"), (3, "gamma"), (4, "zeta"), (5, "omega"))

var total = maths.collect{case(number,string) if string.contains("m")||string.contains("z")=>number}

var total1 = total.sum

var total2 = total.size

println(total1/total2)

}

**Output:**

4

