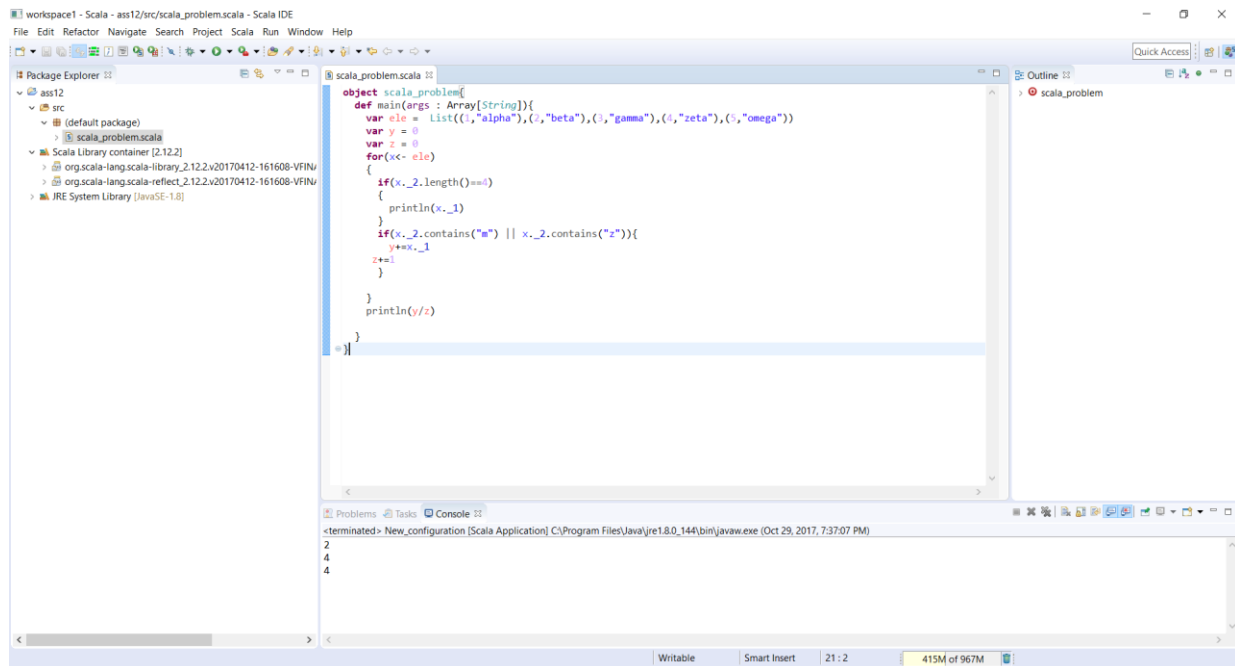# Session 12

Assignment 3 Questions

Problem Statement

● *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'

Program: -

```scala
object scala_problem{
 def main(args : Array[String]){
  var ele =  List((1,"alpha"),(2,"beta"),(3,"gamma"),(4,"zeta"),(5,"omega"))
  var y = 0
  var z = 0
```

```
for(x<- ele)
{
  if(x._2.length()==4)
  {
    println(x._1)
  }
  if(x._2.contains("m") || x._2.contains("z")){
    y+=x._1
  z+=1
  }
}
println(y/z)

}
}
```

Output: -

2
4
4