Assignment 12.3 – Spark - Scala

Commands :

1) Creating a list of tuples where 1st element is int and the second is string

```
scala> var tuple = List ((1,"alpha"),(2,"beta"),(3,"gamma"),(4,"zeta"),(5,"omega"));
tuple: List[(Int, String)] = List((1,alpha), (2,beta), (3,gamma), (4,zeta), (5,omega))

scala> println(tuple);
List((1,alpha), (2,beta), (3,gamma), (4,zeta), (5,omega))
```

2) Print the numbers where corresponding string length is 4

```
scala> tuple.filter(a => a._2.length == 4).map(_._1).foreach(println);
2
4
```

3) Average of all numbers where corresponding string contains alphabet m or z

```
scala> var tup1 = tuple.filter( a => (a._2.count(_ == 'm') !=0 || a._2.count(_ == 'z') != 0 ));
tup1: List[(Int, String)] = List((3,gamma), (4,zeta), (5,omega))

scala> tup1.map(_._1).sum/tup1.size;
res7: Int = 4

scala>
```