**CSC 369 – Assignment 5**

**Question 1:**

import scala.io.Source

object NumDivisble3 {

def main (args: Array[String]) : Unit = {

val lines = Source.fromFile("input.txt").getLines.toList

val integerMap = lines.flatMap(\_.split("\\s+"))

val div3Map = integerMap.filter(Integer.parseInt(\_)%3 == 0)

div3Map.distinct.foreach(x => println(x + " appears " +

div3Map.count(\_ == x) + " times"))

}

}

**Question 2:**

import scala.io.Source

import scala.collection.mutable

object TempCheck {

def printTop(s: String): Unit = {

val tokens = s.split(" ")

var temps = scala.collection.mutable.Set(-999)

print(tokens(0) + " ")

for (i <- 1 to tokens.length-1) temps += tokens(i).toInt

println(temps.max)

}

def main (args: Array[String]): Unit = {

val lines = Source.fromFile("input.txt").getLines.toList

lines.foreach(printTop(\_))

}

}

**Question 3:**