**CSCE 4013/5013 Cloud Computing and Security**

**Quiz #1 (20 points)**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Problem #1 (10 pts)**

1. Yes / No Do you participate in this quiz?

**Problem #2 (10 pts)**

An input file has 10 lines as follows.

This is

an arbitrary example file

of 10 lines.

Each line does

not have to be

of

the same

length or contain

the same

number of words

Followings are the mapper class and reducer class.

public static class Map extends Mapper<Object, Text, Text, IntWritable>{

private final static IntWritable one = new IntWritable(1);

public void map(Object key, Text value, Context context) throws IOException, InterruptedException {

context.write(new Text("map"), one);

}

}

public static class Red extends Reducer<Text,IntWritable,Text,IntWritable>

{

private IntWritable result = new IntWritable();

public void reduce(Text key, Iterable<IntWritable> values, Context context) throws IOException, InterruptedException {

int sum = 0;

for (IntWritable val : values) {

sum += val.get();

}

result.set(sum);

context.write(key, result);

}

}

What is the content in the output file?

map 10