Lab 5.2.18

Customers details(customer name, address,mobile) are maintained in a file in hdfs. Create the customer details file with 10 records and do the following:

1. Use keyvalueinput format as the input format. Consider customer name as key. Separate the customer name and address,mobile using "," separator in the text file. (Ex: ram,233 first street, chennai,9999967891 (or) ram,233 first street chennai 9999967891). Customer name is the key and Address, Mobile are the value.

Note:
Use only mapper.
Mapper:

```
String c="ram";
public void map(Text key, Text value, Context context) throws
IOException, InterruptedException
{
    String line=key.toString();
    if(c.equalsIgnoreCase(line))
            context.write(key,value);
}
```

Driver:
```
conf.set("mapreduce.input.keyvaluelinerecordreader.key.value.separator",",");
job.setInputFormatClass(KeyValueTextInputFormat.class);
```

2. Write the customer details in mapper with 3 lines in each mapper.Use NLineinput format.

Note:
Use only mapper.
Mapper:
Context.write(key,value).

Driver:
```
        conf.setInt(NLineInputFormat.LINES_PER_MAP, 3);
        job.setInputFormatClass(NLineInputFormat.class);
        job.setNumReduceTasks(0);
```

3. Write the customer details using sequential file output and read using sequential file input format.

Note:

To write file:
Mapper:
Context.write(key,value);

Driver:
job.setOutputFormatClass(SequenceFileOutputFormat.class);

To read file:
Mapper:
Context.write(key,value);

Driver:
job.setInputFormatClass(SequenceFileInputFormat.**class**);