```
codegyani@ubuntu64server:~$ hdfs dfs -cat /r_output/part-00000
HDFS        1
Hadoop      2
MapReduce           1
a           2
is          2
of          2
processing          1
storage 1
tool        1
unit        1
codegyani@ubuntu64server:~$
```

Q1-reducer.txt

```
1    package com.javatpoint;
2        import java.io.IOException;
3        import java.util.Iterator;
4        import org.apache.hadoop.io.IntWritable;
5        import org.apache.hadoop.io.Text;
6        import org.apache.hadoop.mapred.MapReduceBase;
7        import org.apache.hadoop.mapred.OutputCollector;
8        import org.apache.hadoop.mapred.Reducer;
9        import org.apache.hadoop.mapred.Reporter;
10
11       public class WC_Reducer  extends MapReduceBase implements Reducer<Text,I
12       public void reduce(Text key, Iterator<IntWritable> values,OutputCollecto
13        Reporter reporter) throws IOException {
14       int sum=0;
15       while (values.hasNext()) {
16       sum+=values.next().get();
17       }
18       output.collect(key,new IntWritable(sum));
19       }
20       }
```

```java
1    // Importing libraries
2    import java.io.IOException;
3    import java.util.Iterator;
4    import org.apache.hadoop.io.IntWritable;
5    import org.apache.hadoop.io.Text;
6    import org.apache.hadoop.mapred.MapReduceBase;
7    import org.apache.hadoop.mapred.OutputCollector;
8    import org.apache.hadoop.mapred.Reducer;
9    import org.apache.hadoop.mapred.Reporter;
10
11   public class EOReducer extends MapReduceBase implements Reducer<Text,
12                                   IntWritable, Text, IntWritable> {
13
14       @Override
15       // Reduce Function
16       public void reduce(Text key, Iterator<IntWritable> value,
17       OutputCollector<Text, IntWritable> output, Reporter rep)
18
19       throws IOException
20       {
21
```

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```
[cloudera@quickstart workspace]$ hadoop fs -cat EOOutput/part-00000
EVEN     20
EVEN     4
ODD      25
ODD      5
[cloudera@quickstart workspace]$
```