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USN: 1NT19IS065

EXERCISE: 2

Queries

Use the Hadoop MapReduce programming framework to come up with a Program which will take the data from the .csv file and computes the following.

1. Count the number of transactions done by each country

```
package 1nt19is065;
import
java.io.IOException;
import java.util.Iterator;
import org.apache.hadoop.fs.Path; import
org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapred.FileInputFormat;
import org.apache.hadoop.mapred.FileOutputFormat;
import org.apache.hadoop.mapred.JobClient;
import org.apache.hadoop.mapred.JobConf;
import org.apache.hadoop.mapred.MapReduceBase;
import org.apache.hadoop.mapred.Mapper;
import org.apache.hadoop.mapred.OutputCollector;
import org.apache.hadoop.mapred.Reducer;
import org.apache.hadoop.mapred.Reporter;
import org.apache.hadoop.mapred.TextOutputFormat;
public class la2q1 {
public static class Map extends MapReduceBase implements Mapper&lt;LongWritable,
Text,Text ,
```

```
IntWritable&gt;{

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

@Override

public void map(LongWritable key, Text value, OutputCollector&lt;Text, IntWritable&gt; out,
Reporter

throws IOException {

String valueString = value.toString ();

String [] data =

valueString.split(&quot;,&quot;); out.collect(

new Text(data[6]),one);

}

}

public static class Reduce extends MapReduceBase implements Reducer &lt; Text ,
IntWritable ,

Text , IntWritable

&gt;{ @Override

public void reduce(Text key, Iterator&lt;IntWritable&gt; values,

OutputCollector&lt;Text, IntWritable&gt; out,

Reporter report) throws IOException {

Text mykey = key;

int frequency = 0;

while (values.hasNext()){

IntWritable value = (IntWritable)values.next();

frequency += value.get();

}

out.collect(mykey,new IntWritable(frequency));

}

}

public static void main(String[] args) throws IOException {

// TODO Auto-generated method stub

JobConf conf = new

JobConf(la2q1.class);
```

conf.setJobName("la2q1");

conf.setOutputKeyClass(Text.class);

conf.setOutputValueClass(IntWritable.class);

conf.setMapperClass(Map.class);

conf.setCombinerClass(Reduce.class);;

conf.setReducerClass(Reduce.class);

conf.setOutputFormat(TextOutputFormat.class);

conf.setOutputFormat(TextOutputFormat.class);

FileInputFormat.setInputPaths(conf, new Path(args[0]));

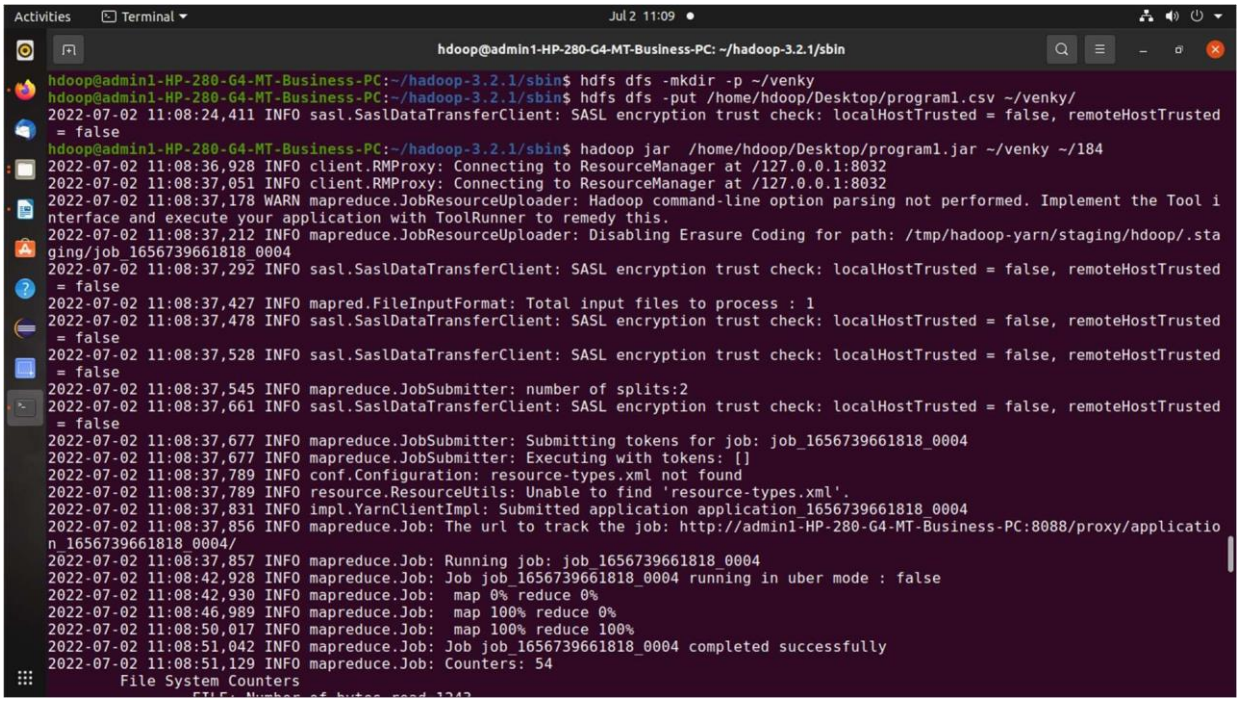
FileOutputFormat.setOutputPath(conf , new Path(args[1]));

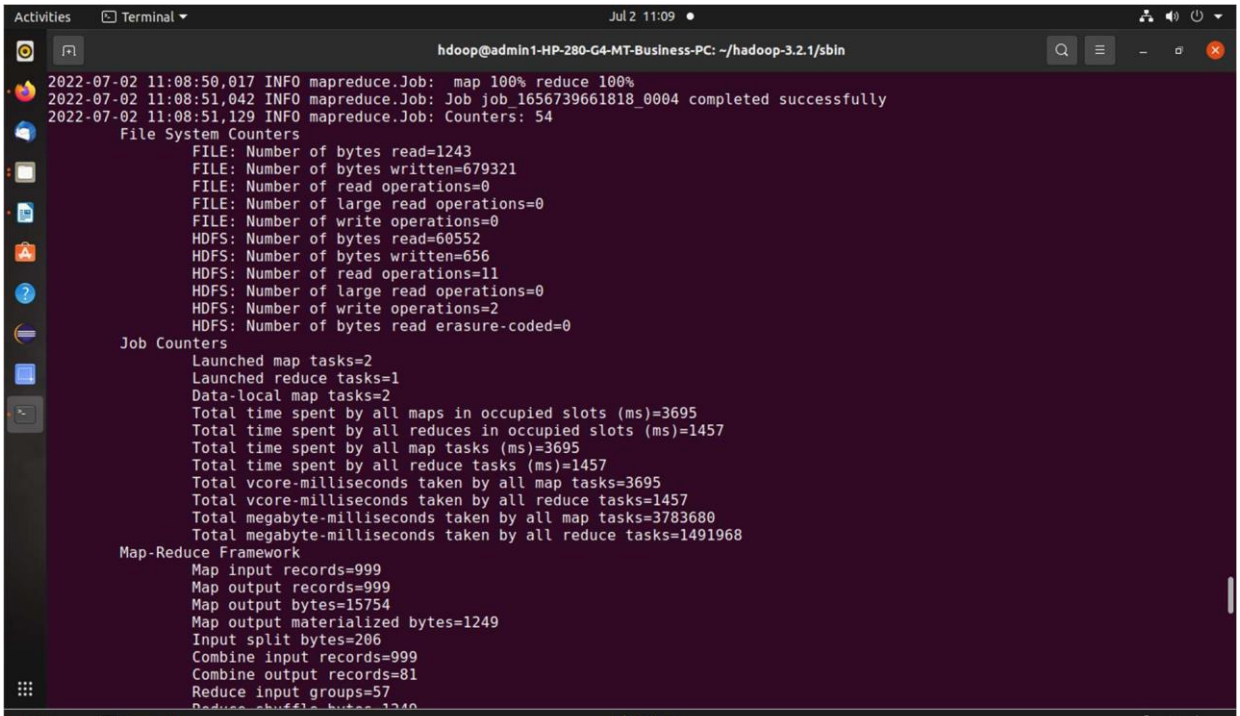
JobClient.runJob(conf);

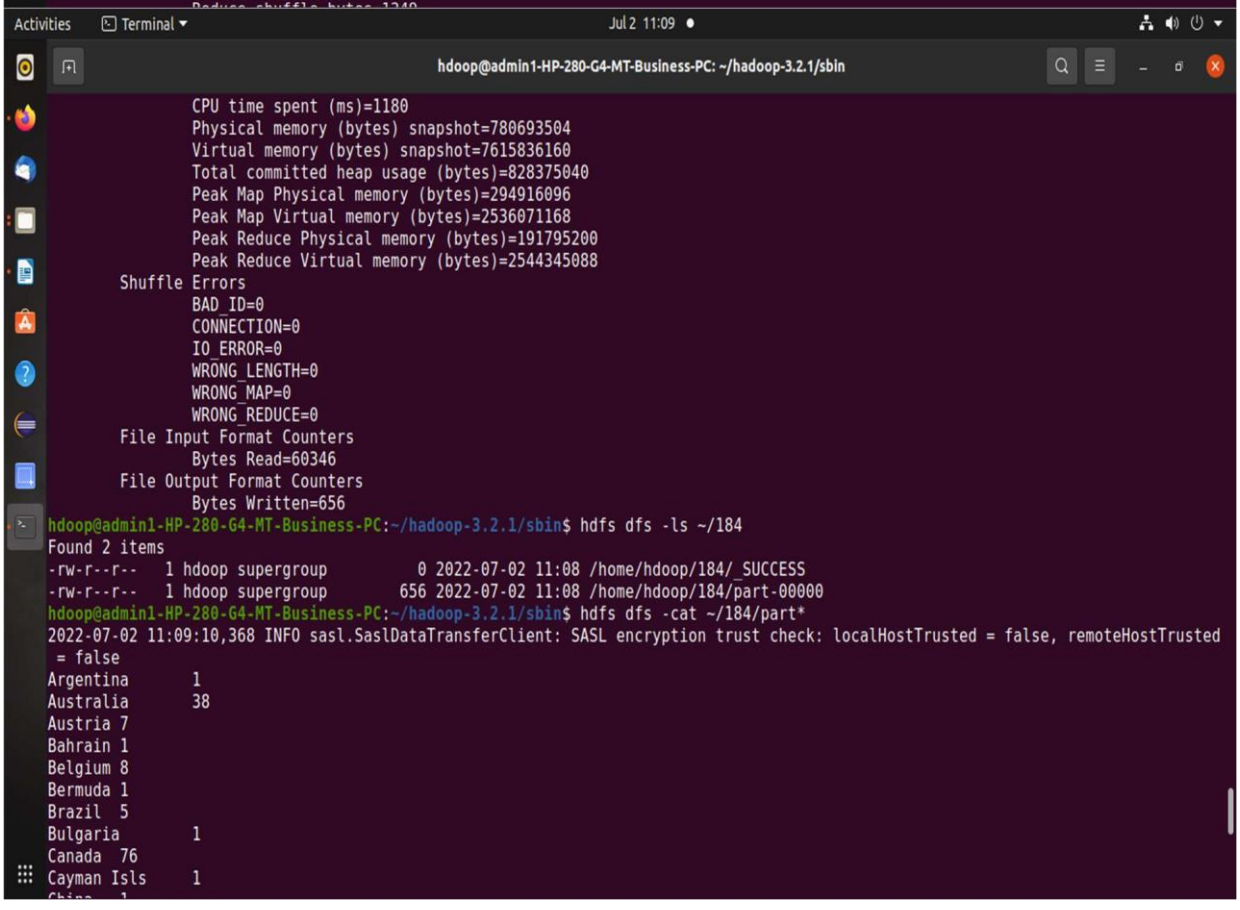
}

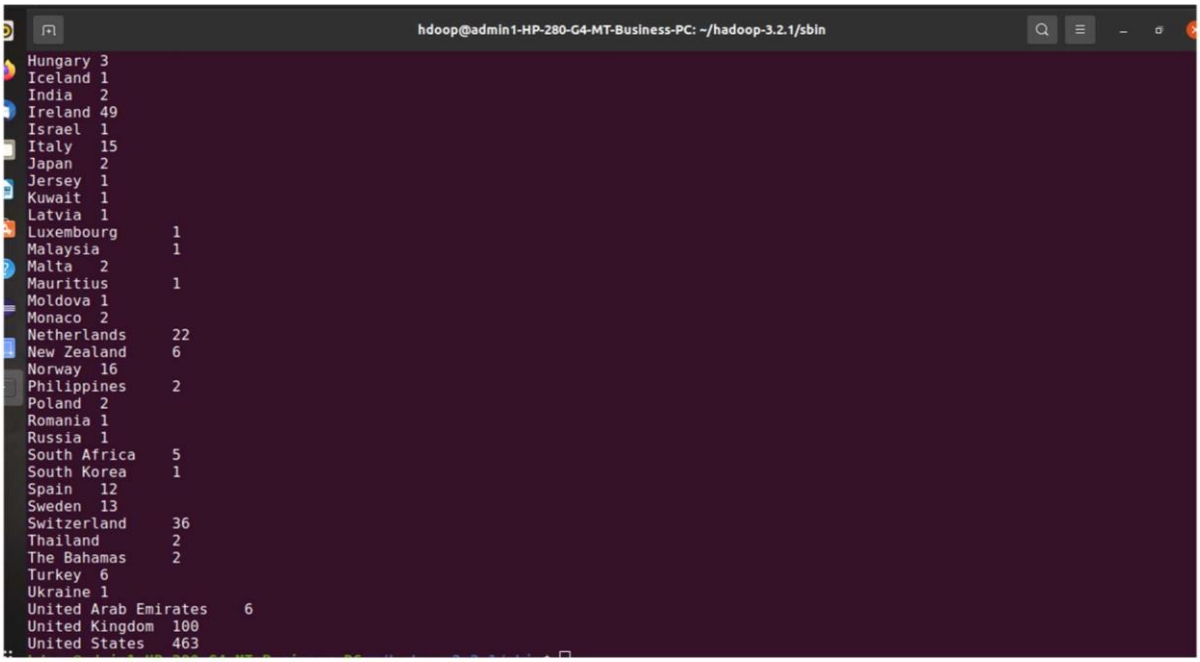
}

OUTPUT:




Activities
Terminal
Jul 2 11:09
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
2022-07-02 11:08:50,017 INFO mapreduce.Job: map 100% reduce 100%
2022-07-02 11:08:51,042 INFO mapreduce.Job: Job job_1656739661818_0004 completed successfully
2022-07-02 11:08:51,129 INFO mapreduce.Job: Counters: 54
File System Counters
FILE: Number of bytes read=1243
FILE: Number of bytes written=679321
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=60552
HDFS: Number of bytes written=656
HDFS: Number of read operations=11
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
HDFS: Number of bytes read erasure-coded=0
Job Counters
Launched map tasks=2
Launched reduce tasks=1
Data-local map tasks=2
Total time spent by all maps in occupied slots (ms)=3695
Total time spent by all reduces in occupied slots (ms)=1457
Total time spent by all map tasks (ms)=3695
Total time spent by all reduce tasks (ms)=1457
Total vcore-milliseconds taken by all map tasks=3695
Total vcore-milliseconds taken by all reduce tasks=1457
Total megabyte-milliseconds taken by all map tasks=3783680
Total megabyte-milliseconds taken by all reduce tasks=1491968
Map-Reduce Framework
Map input records=999
Map output records=999
Map output bytes=15754
Map output materialized bytes=1249
Input split bytes=206
Combine input records=999
Combine output records=81
Reduce input groups=57


Activities
Terminal
Jul 2 11:09
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
CPU time spent (ms)=1180
Physical memory (bytes) snapshot=780693504
Virtual memory (bytes) snapshot=7615836160
Total committed heap usage (bytes)=828375040
Peak Map Physical memory (bytes)=294916096
Peak Map Virtual memory (bytes)=2536071168
Peak Reduce Physical memory (bytes)=191795200
Peak Reduce Virtual memory (bytes)=2544345088
Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
Bytes Read=60346
File Output Format Counters
Bytes Written=656
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -ls ~/184
Found 2 items
-rw-r--r--   1 hdoop supergroup   0 2022-07-02 11:08 /home/hdoop/184/_SUCCESS
-rw-r--r--   1 hdoop supergroup   656 2022-07-02 11:08 /home/hdoop/184/part-00000
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -cat ~/184/part*
2022-07-02 11:09:10,368 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
Argentina	1
Australia	38
Austria 7
Bahrain 1
Belgium 8
Bermuda 1
Brazil 5
Bulgaria	1
Canada 76
Cayman Isls	1


hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
Hungary 3
Iceland 1
India 2
Ireland 49
Israel 1
Italy 15
Japan 2
Jersey 1
Kuwait 1
Latvia 1
Luxembourg 1
Malaysia 1
Malta 2
Mauritius 1
Moldova 1
Monaco 2
Netherlands 22
New Zealand 6
Norway 16
Philippines 2
Poland 2
Romania 1
Russia 1
South Africa 5
South Korea 1
Spain 12
Sweden 13
Switzerland 36
Thailand 2
The Bahamas 2
Turkey 6
Ukraine 1
United Arab Emirates 6
United Kingdom 100
United States 463

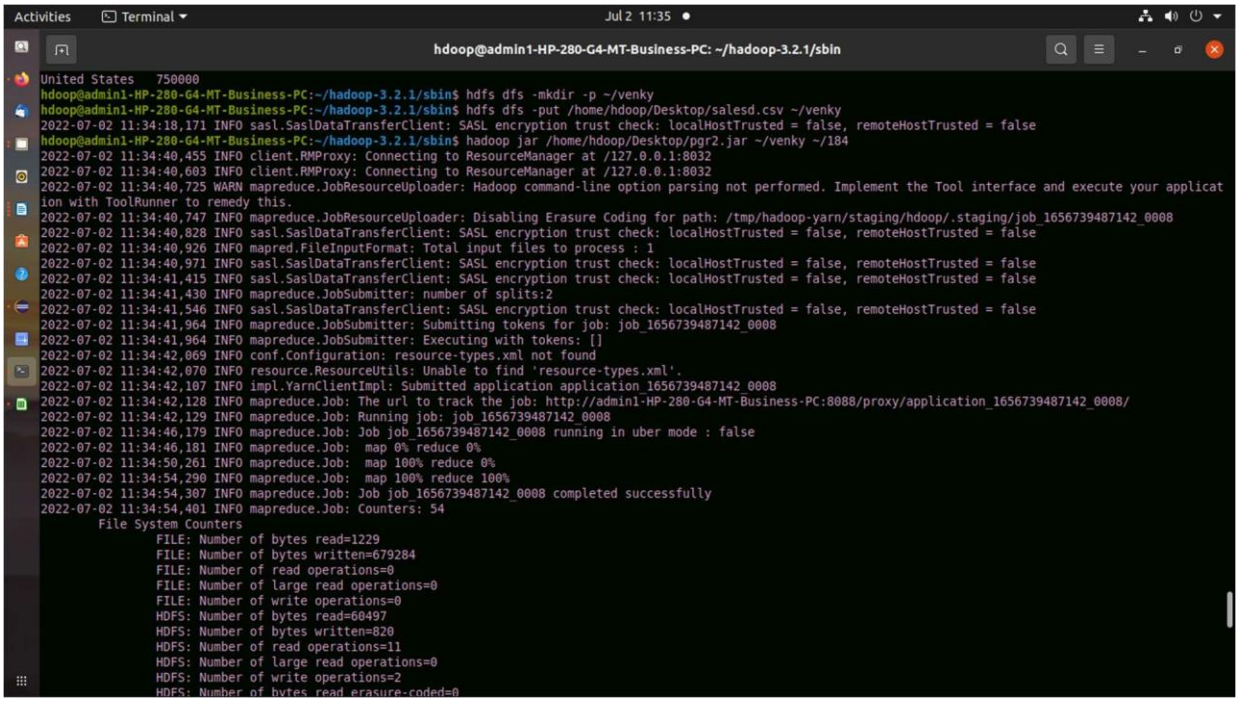
2. Find the cumulative amount of transactions done by each country

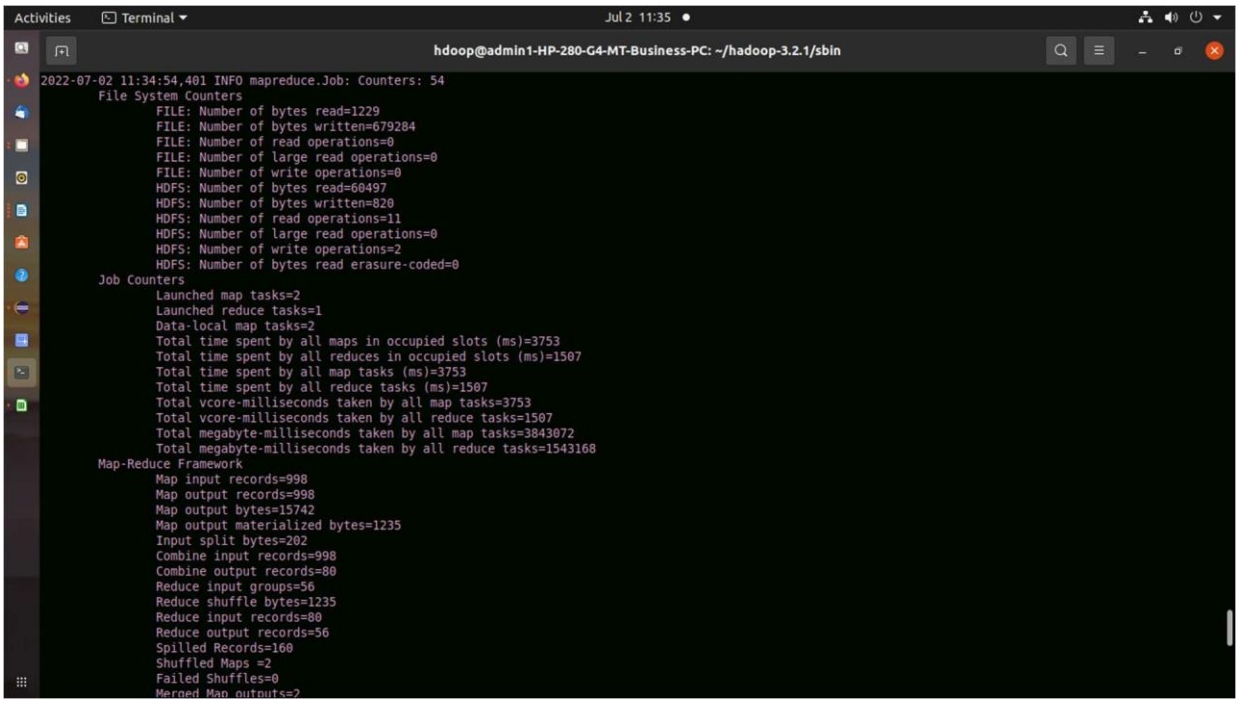
```
package 1nt19is065;
import java.io.IOException;
import java.util.Iterator;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapred.FileInputFormat;
import org.apache.hadoop.mapred.FileOutputFormat;
import org.apache.hadoop.mapred.JobClient;
import org.apache.hadoop.mapred.JobConf;
import org.apache.hadoop.mapred.MapReduceBase;
import org.apache.hadoop.mapred.Mapper;
import org.apache.hadoop.mapred.OutputCollector;
import org.apache.hadoop.mapred.Reducer;
import org.apache.hadoop.mapred.Reporter;
import org.apache.hadoop.mapred.TextOutputFormat
```

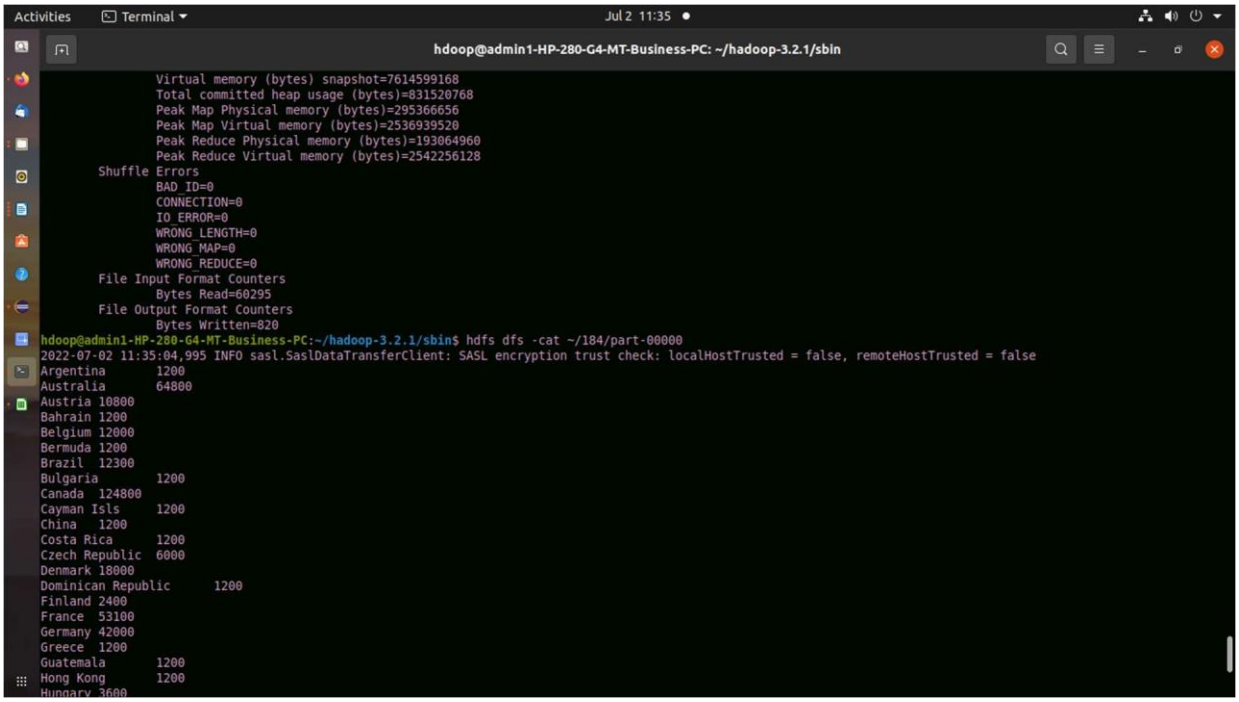
```
public class la2q2 {
 public static class Map extends MapReduceBase implements Mapper&lt;LongWritable,
 Text,Text ,
 IntWritable&gt;{

 @Override
 public void map(LongWritable key, Text value, OutputCollector&lt;Text, IntWritable&gt;
 out, Reporter
 report)
 throws IOException {
 // TODO Auto-generated method stub
 String valueString = value.toString();
 String[] data = valueString.split(&quot;,&quot;);
 out.collect(new Text(data[6]),
 new IntWritable(Integer.parseInt(data [1])));
 }
 }
 public static class Reduce extends MapReduceBase implements Reducer &lt; Text ,
 IntWritable ,
 Text , IntWritable &gt;{
 @Override
 public void reduce(Text key, Iterator&lt;IntWritable&gt; values, OutputCollector&lt;Text,
 IntWritable&gt; out,
 Reporter report) throws IOException {
 // TODO Auto-generated method stub
 Text mykey = key;
 int tcount = 0;
 while(values.hasNext()) {
 IntWritable value = (IntWritable)values.next();
 tcount += value.get();
 }
 out.collect(mykey , new IntWritable(tcount));
 }
 }
 public static void main(String[] args) throws IOException {
 // TODO Auto-generated method stub
 JobConf conf = new JobConf(la2q2.class);
 conf.setJobName(&quot;la2q2&quot;);
 conf.setOutputKeyClass(Text.class);
 conf.setOutputValueClass(IntWritable.class);
 conf.setMapperClass(Map.class);
 conf.setCombinerClass(Reduce.class);;
 conf.setReducerClass(Reduce.class);
 conf.setOutputFormat(TextOutputFormat.class);
 conf.setOutputFormat(TextOutputFormat.class);
 FileInputFormat.setInputPaths(conf, new Path(args[0]));
 FileOutputFormat.setOutputPath(conf , new Path(args[1]));
 JobClient.runJob(conf);

 }
```

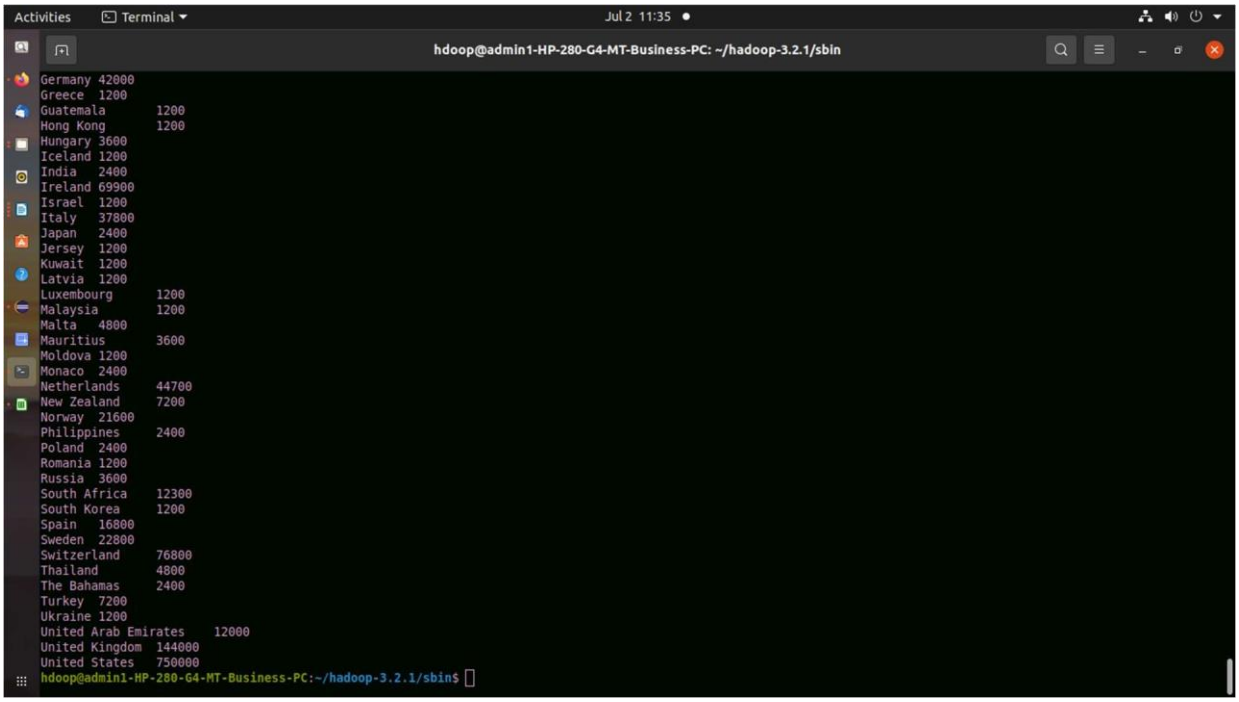
}

OUTPUT:


Activities
Terminal
Jul 2 11:35
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
United States 750000
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -mkdir -p ~/venky
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -put /home/hdoop/Desktop/salesd.csv ~/venky
2022-07-02 11:34:18,171 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hadoop jar /home/hdoop/Desktop/pgr2.jar ~/venky ~/184
2022-07-02 11:34:40,455 INFO client.RMProxy: Connecting to ResourceManager at /127.0.0.1:8032
2022-07-02 11:34:40,603 INFO client.RMProxy: Connecting to ResourceManager at /127.0.0.1:8032
2022-07-02 11:34:40,725 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your applicat
ion with ToolRunner to remedy this.
2022-07-02 11:34:40,747 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/hdoop/.staging/job_1656739487142_0008
2022-07-02 11:34:40,828 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:34:40,926 INFO mapred.FileInputFormat: Total input files to process : 1
2022-07-02 11:34:40,971 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:34:41,415 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:34:41,430 INFO mapreduce.JobSubmitter: number of splits:2
2022-07-02 11:34:41,546 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:34:41,964 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1656739487142_0008
2022-07-02 11:34:41,964 INFO mapreduce.JobSubmitter: Executing with tokens: []
2022-07-02 11:34:42,069 INFO conf.Configuration: resource-types.xml not found
2022-07-02 11:34:42,070 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2022-07-02 11:34:42,107 INFO impl.YarnClientImpl: Submitted application application_1656739487142_0008
2022-07-02 11:34:42,128 INFO mapreduce.Job: The url to track the job: http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application_1656739487142_0008/
2022-07-02 11:34:42,129 INFO mapreduce.Job: Running job: job_1656739487142_0008
2022-07-02 11:34:46,179 INFO mapreduce.Job: Job job_1656739487142_0008 running in uber mode : false
2022-07-02 11:34:46,181 INFO mapreduce.Job: map 0% reduce 0%
2022-07-02 11:34:50,261 INFO mapreduce.Job: map 100% reduce 0%
2022-07-02 11:34:54,290 INFO mapreduce.Job: map 100% reduce 100%
2022-07-02 11:34:54,307 INFO mapreduce.Job: Job job_1656739487142_0008 completed successfully
2022-07-02 11:34:54,401 INFO mapreduce.Job: Counters: 54
File System Counters
FILE: Number of bytes read=1229
FILE: Number of bytes written=679284
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=60497
HDFS: Number of bytes written=820
HDFS: Number of read operations=11
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
HDFS: Number of bytes read erasure-coded=0


Activities
Terminal
Jul 2 11:35
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
2022-07-02 11:34:54,401 INFO mapreduce.Job: Counters: 54
File System Counters
FILE: Number of bytes read=1229
FILE: Number of bytes written=679284
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=60497
HDFS: Number of bytes written=820
HDFS: Number of read operations=11
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
HDFS: Number of bytes read erasure-coded=0
Job Counters
Launched map tasks=2
Launched reduce tasks=1
Data-local map tasks=2
Total time spent by all maps in occupied slots (ms)=3753
Total time spent by all reduces in occupied slots (ms)=1507
Total time spent by all map tasks (ms)=3753
Total time spent by all reduce tasks (ms)=1507
Total vcore-milliseconds taken by all map tasks=3753
Total vcore-milliseconds taken by all reduce tasks=1507
Total megabyte-milliseconds taken by all map tasks=3843072
Total megabyte-milliseconds taken by all reduce tasks=1543168
Map-Reduce Framework
Map input records=998
Map output records=998
Map output bytes=15742
Map output materialized bytes=1235
Input split bytes=202
Combine input records=998
Combine output records=80
Reduce input groups=56
Reduce shuffle bytes=1235
Reduce input records=80
Reduce output records=56
Spilled Records=160
Shuffled Maps =2
Failed Shuffles=0
Merged Map outputs=2


Activities
Terminal
Jul 2 11:35
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
Virtual memory (bytes) snapshot=7614599168
Total committed heap usage (bytes)=831520768
Peak Map Physical memory (bytes)=295366656
Peak Map Virtual memory (bytes)=2536939520
Peak Reduce Physical memory (bytes)=193064960
Peak Reduce Virtual memory (bytes)=2542256128
Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
Bytes Read=60295
File Output Format Counters
Bytes Written=820
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -cat ~/184/part-00000
2022-07-02 11:35:04,995 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
Argentina 1200
Australia 64800
Austria 10800
Bahrain 1200
Belgium 12000
Bermuda 1200
Brazil 12300
Bulgaria 1200
Canada 124800
Cayman Isls 1200
China 1200
Costa Rica 1200
Czech Republic 6000
Denmark 18000
Dominican Republic 1200
Finland 2400
France 53100
Germany 42000
Greece 1200
Guatemala 1200
Hong Kong 1200
Hungary 3600

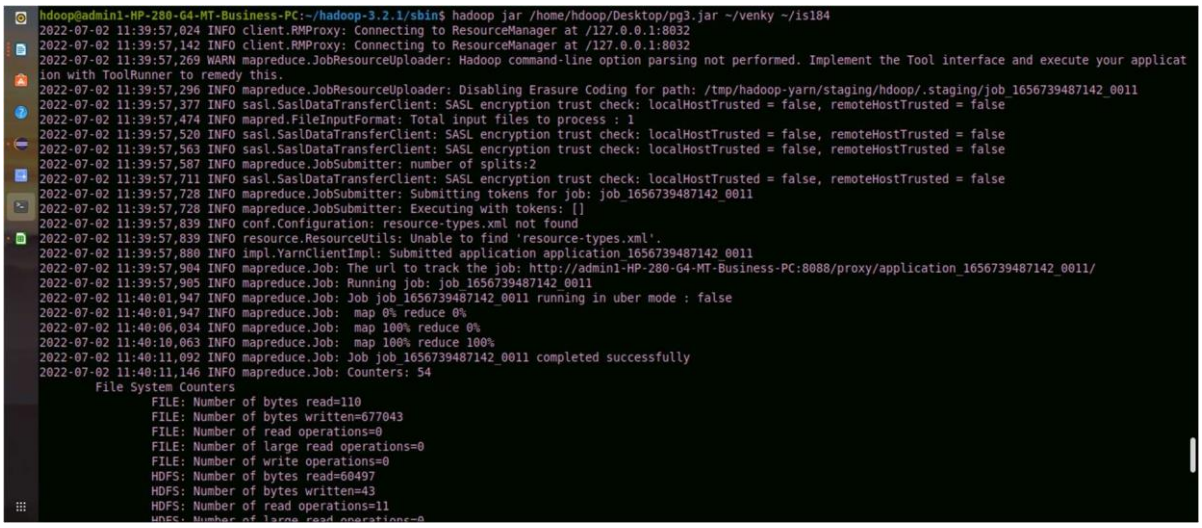

Activities
Terminal
Jul 2 11:35
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
Germany 42000
Greece 1200
Guatemala 1200
Hong Kong 1200
Hungary 3600
Iceland 1200
India 2400
Ireland 69900
Israel 1200
Italy 37800
Japan 2400
Jersey 1200
Kuwait 1200
Latvia 1200
Luxembourg 1200
Malaysia 1200
Malta 4800
Mauritius 3600
Moldova 1200
Monaco 2400
Netherlands 44700
New Zealand 7200
Norway 21600
Philippines 2400
Poland 2400
Romania 1200
Russia 3600
South Africa 12300
South Korea 1200
Spain 16800
Sweden 22800
Switzerland 76800
Thailand 4800
The Bahamas 2400
Turkey 7200
Ukraine 1200
United Arab Emirates 12000
United Kingdom 144000
United States 750000
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$

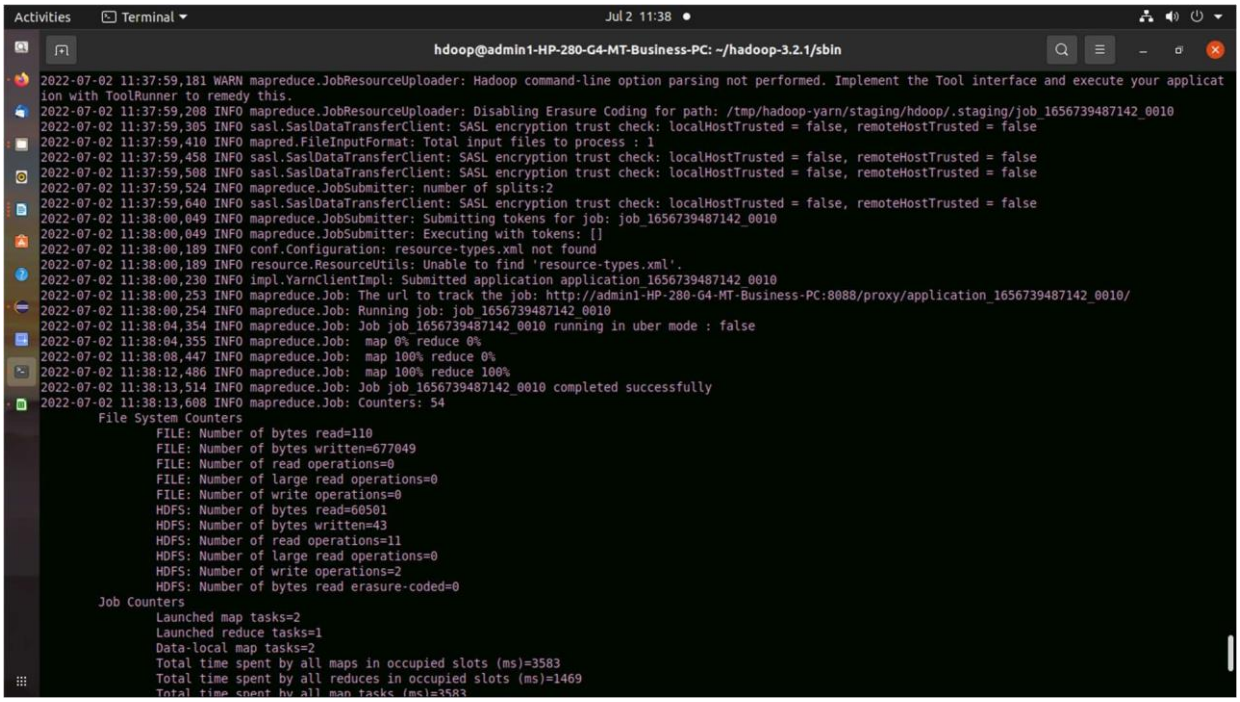
3. Count how many transactions done using Master, VISA, Diners, Amex

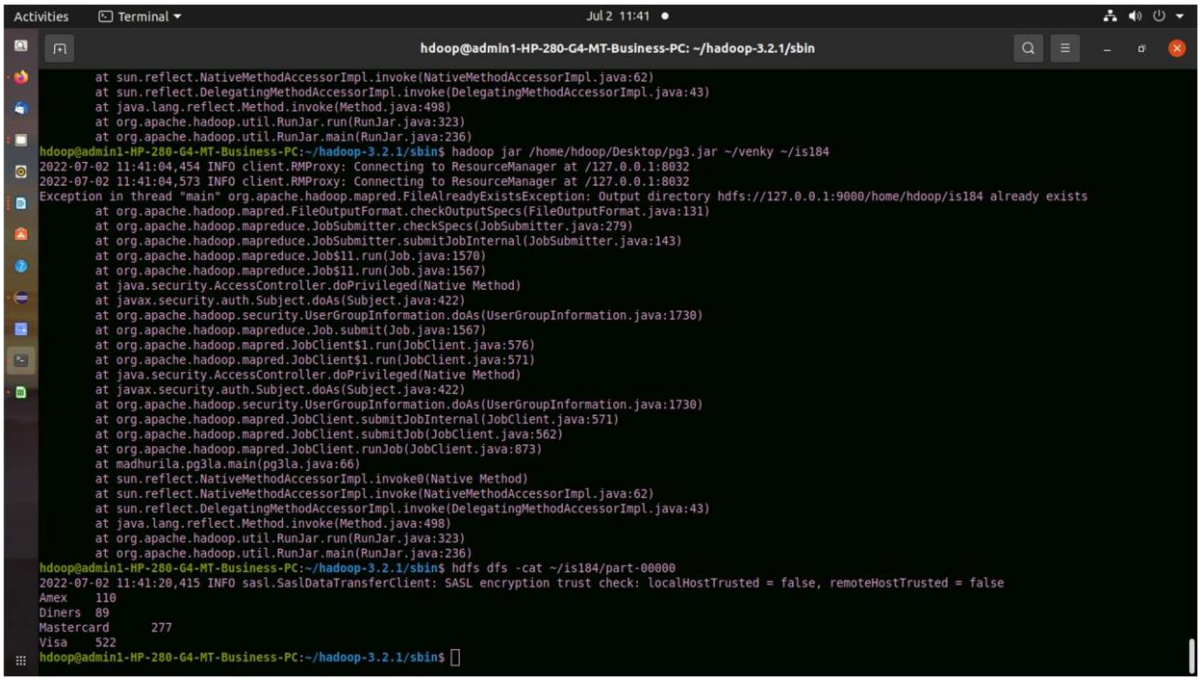
```
package 1nt19is065;

import java.io.IOException;
import java.util.Iterator;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapred.FileInputFormat;
import org.apache.hadoop.mapred.FileOutputFormat;
import org.apache.hadoop.mapred.JobClient;
import org.apache.hadoop.mapred.JobConf;
import org.apache.hadoop.mapred.MapReduceBase;
import org.apache.hadoop.mapred.Mapper;
import org.apache.hadoop.mapred.OutputCollector;
import org.apache.hadoop.mapred.Reducer;
import org.apache.hadoop.mapred.Reporter;
import org.apache.hadoop.mapred.TextOutputFormat;


public class la2q3 {
 public static class Map extends MapReduceBase implements Mapper&lt;LongWritable,
 Text,Text ,
 IntWritable&gt;{

 private final static IntWritable one = new IntWritable (1);
 @Override
 public void map(LongWritable key, Text value, OutputCollector&lt;Text, IntWritable&gt;
 out, Reporter
 report)
 throws IOException {
 // TODO Auto-generated method stub
 String valueString = value.toString ();
 String [] data = valueString.split(&quot;,&quot;);
 out.collect( new Text(data[2]),one);

 }
 }
 public static class Reduce extends MapReduceBase implements Reducer &lt; Text ,
 IntWritable ,
 Text , IntWritable &gt;{
 @Override
 public void reduce(Text key, Iterator&lt;IntWritable&gt; values, OutputCollector&lt;Text,
 IntWritable&gt; out,
 Reporter report) throws IOException {
 // TODO Auto-generated method stub
 Text mykey = key;
 int frequency = 0;
 while (values.hasNext()){
```

```
IntWritable value = (IntWritable)values.next();
frequency += value.get();
}
out.collect(mykey,new IntWritable(frequency));
}
}
public static void main(String[] args) throws IOException {
// TODO Auto-generated method stub
JobConf conf = new JobConf(la2q3.class);
conf.setJobName(&amp;quot;la2q3&amp;quot;);
conf.setOutputKeyClass(Text.class);
conf.setOutputValueClass(IntWritable.class);
conf.setMapperClass(Map.class);
conf.setCombinerClass(Reduce.class);;
conf.setReducerClass(Reduce.class);
conf.setOutputFormat(TextOutputFormat.class);
conf.setOutputFormat(TextOutputFormat.class);
FileInputFormat.setInputPaths(conf, new Path(args[0]));
FileOutputFormat.setOutputPath(conf , new Path(args[1]));
JobClient.runJob(conf);


}
}
```

OUTPUT:




Activities
Terminal
Jul 2 11:38
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
2022-07-02 11:37:59,181 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your applicat
ion with ToolRunner to remedy this.
2022-07-02 11:37:59,208 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/hdoop/.staging/job_1656739487142_0010
2022-07-02 11:37:59,305 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:37:59,410 INFO mapred.FileInputFormat: Total input files to process : 1
2022-07-02 11:37:59,458 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:37:59,508 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:37:59,524 INFO mapreduce.JobSubmitter: number of splits:2
2022-07-02 11:37:59,640 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
2022-07-02 11:38:00,049 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1656739487142_0010
2022-07-02 11:38:00,049 INFO mapreduce.JobSubmitter: Executing with tokens: []
2022-07-02 11:38:00,189 INFO conf.Configuration: resource-types.xml not found
2022-07-02 11:38:00,189 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2022-07-02 11:38:00,230 INFO impl.YarnClientImpl: Submitted application application_1656739487142_0010
2022-07-02 11:38:00,253 INFO mapreduce.Job: The url to track the job: http://admin1-HP-280-G4-MT-Business-PC:8088/proxy/application_1656739487142_0010/
2022-07-02 11:38:00,254 INFO mapreduce.Job: Running job: job_1656739487142_0010
2022-07-02 11:38:04,354 INFO mapreduce.Job: Job job_1656739487142_0010 running in uber mode : false
2022-07-02 11:38:04,355 INFO mapreduce.Job: map 0% reduce 0%
2022-07-02 11:38:08,447 INFO mapreduce.Job: map 100% reduce 0%
2022-07-02 11:38:12,486 INFO mapreduce.Job: map 100% reduce 100%
2022-07-02 11:38:13,514 INFO mapreduce.Job: Job job_1656739487142_0010 completed successfully
2022-07-02 11:38:13,608 INFO mapreduce.Job: Counters: 54
File System Counters
FILE: Number of bytes read=110
FILE: Number of bytes written=677049
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=60501
HDFS: Number of bytes written=43
HDFS: Number of read operations=11
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
HDFS: Number of bytes read erasure-coded=0
Job Counters
Launched map tasks=2
Launched reduce tasks=1
Data-local map tasks=2
Total time spent by all maps in occupied slots (ms)=3583
Total time spent by all reduces in occupied slots (ms)=1469


Activities
Terminal
Jul 2 11:41
hdoop@admin1-HP-280-G4-MT-Business-PC: ~/hadoop-3.2.1/sbin
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.util.RunJar.run(RunJar.java:323)
at org.apache.hadoop.util.RunJar.main(RunJar.java:236)
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hadoop jar /home/hdoop/Desktop/pg3.jar ~/venky ~/is184
2022-07-02 11:41:04,454 INFO client.RMProxy: Connecting to ResourceManager at /127.0.0.1:8032
2022-07-02 11:41:04,573 INFO client.RMProxy: Connecting to ResourceManager at /127.0.0.1:8032
Exception in thread "main" org.apache.hadoop.mapred.FileAlreadyExistsException: Output directory hdfs://127.0.0.1:9000/home/hdoop/is184 already exists
at org.apache.hadoop.mapred.FileOutputFormat.checkOutputSpecs(FileOutputFormat.java:131)
at org.apache.hadoop.mapreduce.JobSubmitter.checkSpecs(JobSubmitter.java:279)
at org.apache.hadoop.mapreduce.JobSubmitter.submitJobInternal(JobSubmitter.java:143)
at org.apache.hadoop.mapreduce.Job$11.run(Job.java:1570)
at org.apache.hadoop.mapreduce.Job$11.run(Job.java:1567)
at java.security.AccessController.doPrivileged(Native Method)
at javax.security.auth.Subject.doAs(Subject.java:422)
at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1730)
at org.apache.hadoop.mapreduce.Job.submit(Job.java:1567)
at org.apache.hadoop.mapred.JobClient$1.run(JobClient.java:576)
at org.apache.hadoop.mapred.JobClient$1.run(JobClient.java:571)
at java.security.AccessController.doPrivileged(Native Method)
at javax.security.auth.Subject.doAs(Subject.java:422)
at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1730)
at org.apache.hadoop.mapred.JobClient.submitJobInternal(JobClient.java:571)
at org.apache.hadoop.mapred.JobClient.submitJob(JobClient.java:562)
at org.apache.hadoop.mapred.JobClient.runJob(JobClient.java:873)
at madhurila.pg3la.main(pg3la.java:66)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.util.RunJar.run(RunJar.java:323)
at org.apache.hadoop.util.RunJar.main(RunJar.java:236)
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$ hdfs dfs -cat ~/is184/part-00000
2022-07-02 11:41:20,415 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
Amex 110
Diners 89
Mastercard 277
Visa 522
hdoop@admin1-HP-280-G4-MT-Business-PC:~/hadoop-3.2.1/sbin$