Lab - 4

CE004

20CEUOD004

6960 SecondaryNameNode

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celab2-ThinkCentre-neo-50s-Gen-3: /www.p.,
started, output log file is 'Lab4BDA.txt'.
started, output log file is 'Lab4BDA.txt'.
                                                                                        op$ script Lab4BDA.txt
    HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
    namenodes on [localhost] HADOOP PREFIX has been replaced by HADOOP HOME. Using value of HADOOP PREFIX.
    HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
 g secondary namenodes [localhost]
: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
-28 08:50:05,567 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where appl
   elab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ start-yarn.sh
HADOOP PREFIX has been replaced by HADOOP HOME. Using value of HADOOP PREFIX.
    HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
    nodemanagers
   HADDOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.elab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ start-historymanager.sh
 istorymanager.sh: command not found
   elab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ start-historymanager.sh
 istorymanager.sh: command not found
   elab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ start-hcase.sh
   elab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ start-hbase.sh
 base sh: command not found
   elab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ start-yarn.sh
HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
     resourcemanager
   HADOOP_PREFIX.
manager is running as process 7353. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.
 : HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
st: nodemanager is running as process 7693. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.
celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ start-historymanager.sh
 SUBCOMMAND may print help when invoked w/o parameters or with -h.
   adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ echo $HADOOP_HOME
 /opt/hadoop
   adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ whoami
 hadoop
   adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ stop-historyserver.sh
 stop-historyserver.sh: command not found
  nadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ pwd
 /home/hadoop/Desktop
  nadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ ls.input Lab4BDA.txt
  nadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/DesktopS ips
6736 DataNode
 6960 SecondaryNameNode
8755 Jps
6520 NameNode
 7353 ResourceManager
 7693 NodeManager
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ start-dfs.sh
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
Starting namenodes on [localhost]
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
localhost: namenode is running as process 6520. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.
localnost: namenode is running as process 0320. Stop it rifs and ensure rife, make the process of the process o
NARNING: HADOOP PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 08:56:34,906 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
  applicable
   adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ jps
 6736 DataNode
```

```
applicable
   adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ ips
6736 DataNode
6960 SecondaryNameNode
6520 NameNode
7353 ResourceManager
9274 Jps
7693 NodeManager
 nadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ start-historyserver.sh
start-historyserver.sh: command not found
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ $HADOOP_HOME/sbin/mr-jobhistory-daemon.sh start historyserver WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX. WARNING: Use of this script to start the MR Jobhistory daemon is deprecated. WARNING: Attempting to execute replacement "mapred --daemon start" instead. WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
  adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ jps
6736 DataNode
6960 SecondaryNameNode
9799 JobHistoryServer
6520 NameNode
7353 ResourceManager
7693 NodeManager
9901 Jps
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ hdfs dfs -rm -r /projects/wordcount/output
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:02:14,841 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
Deleted /projects/wordcount/output
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ hdfs dfs -rm -r /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:02:39,592 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
Deleted /projects/wordcount/input
hadoop@celab2-ThinkCentre-neo-509-Gen-3:~/Desktop$ hdfs dfs -ls /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:03:00,481 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
                                                                                    ktop$ hdfs dfs -rm -r /projects/wordcount/input
WARNING: HADOOP PREFIX has been replaced by HADOOP HOME. Using value of HADOOP PREFIX.
2022-07-28 09:02:39,592 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
Deleted /projects/wordcount/input
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ hdfs dfs -ls /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:03:00,481 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
appictable
ls: `/projects/wordcount/input': No such file or directory
hadoopgcetab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ hdfs dfs -mkdir -p /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:03:13,552 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ hdfs dfs -ls /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:05:38,052 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ hdfs dfs -put input/*.txt /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:07:08,003 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ hdfs dfs -ls /projects/wordcount/input
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:08:47,811 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
 applicable
 ound 1 items
-rw-r--r-- 3 hadoop supergroup 20 2022-07-28 09:07 /projects/wordcount/input/lab4.txt
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ ls
            Lab4BDA.txt WordCount.java
  adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat import
                                                                                                                                  java.io.IOException;
                             java.util.StringTokenizer;
import
                            org.apache.hadoop.conf.Configuration;
org.apache.hadoop.fs.Path;
org.apache.hadoop.io.*;
import
import
 import
import
                             org.apache.hadoop.io.Text;
```

```
bash: syntax error near unexpected token
bash: syntax error near unexpected token
 adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat WordCount.java
                 java.io.IOException;
import
                 java.util.StringTokenizer;
                org.apache.hadoop.conf.Configuration;
org.apache.hadoop.fs.Path;
org.apache.hadoop.io.*;
org.apache.hadoop.io.Text;
import
import
import
import
                org.apache.hadoop.mapreduce.Job;
org.apache.hadoop.mapreduce.Mapper;
org.apache.hadoop.mapreduce.Reducer;
import
import
import
                 org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import
import
                 org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;
public class
        public static class TokenizerMapper extends Mapper < LongWritable,
                          Text, Text, IntWritable >
                 private final static IntWritable one = new IntWritable(1);
                                 word = new Text();
map (LongWritable key, Text value, Context context) throws IOException, InterruptedException
                 private Text
                 public void
                          StringTokenizer tokenizer = new StringTokenizer(value.toString());
while (tokenizer.hasMoreTokens()) {
                         while
                                  word.set(tokenizer.nextToken());
                                  context.write(word, one):
        private IntWritable result = new IntWritable();
```

```
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/DesitopS javac -cp 'hadoop classpath' Wordcount.java MARRING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/DesitopS jar cvf wc.jar *.class adding: MordcountSintSumReducer.class(in = 1755) (out= 750)(derlated 57%) adding: MordcountSintSumReducer.class(in = 1851) (out= 824)(derlated 45%) adding: Mordcount.class(in = 1511) (out= 824)(derlated 45%) adding: Mordcount.clas
```

```
Bytes Written=30
 adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ ls
                                                                         'WordCount$TokenizerMapper.class' WordCount.java
 Lab4BDA.txt 'WordCount$IntSumReducer.class'
                                                                         WordCount.class
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Pesktop$ hdfs dfs -get /projects/wordcount/output .
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:15:40,839 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
 adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat input/*
350
250
150
450
120
nadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat output/*
120
150
250
350
450
MARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.

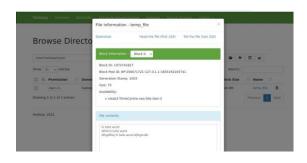
WARNING: Attempting to execute replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.

WARNING: Attempting to execute replacement "mapred --daemon stop" instead.

WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
 adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ end
Command 'end' not found, did you mean:
command 'ent' from deb ent (1.2debian-3)
command 'and' from deb and (1.2.2-4.2)
  command 'and' from deb and (1.2.2-4.2)
command 'nd' from deb nd (0.8.2-8build1)
command 'ed' from deb ed (1.18-1)
command 'env' from deb coreutils (8.32-4.1ubuntu1)
command 'bnd' from deb bnd (5.0.1-3)
  command 'snd' from deb snd-gui-jack (22.1-1)
command 'snd' from deb snd-gui-pulse (22.1-1)
  command 'snd' from deb snd-nox (22.1-1)
2022-07-28 09:40:19,143 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes wher
applicable
get: 'output/_SUCCESS': File exists
get: 'output/part-r-00000': File exists
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat input/*
Books which have more than 300 pages should be in the big book category. Books which
                                                                                                                                               have less than 300 pages should be in the small
ook category.
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat output/*
120
150
250
350
450
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:-/Desktop$ hdfs dfs -get /projects/wordcount/output .
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
2022-07-28 09:42:45,570 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
applicable
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat input/*
Books which have more than 300 pages should be in the big book category. Books which
                                                                                                                                               have less than 300 pages should be in the small
ook category.
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/Desktop$ cat output/*
300
Books
big
book
category.
have
less
поге
 ages
should
small
than
```



the







```
| Second Content | Seco
```