

Output :

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
hdp123@Ubuntu:~/Desktop/Kalpesh$ sudo mkdir analyzelogs
[sudo] password for hdp123:
hdp123@Ubuntu:~/Desktop/Kalpesh$ sudo chmod -R 777 analyzelogs/
hdp123@Ubuntu:~/Desktop/Kalpesh$ sudo chown -R hdp123 analyzelogs/
hdp123@Ubuntu:~/Desktop/Kalpesh$ sudo cp * analyzelogs/
cp: -r not specified; omitting directory 'analyzelogs'
hdp123@Ubuntu:~/Desktop/Kalpesh$ cd analyzelogs/
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls
access_log_short.csv          SalesCountryDriver.java      SalesMapper.java
hadoop-mapreduce-example-file.txt SalesCountryReducer.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo chmod 777 *
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls -ltr
total 172
-rwxrwxrwx 1 root root    386 Apr 26 16:52 hadoop-mapreduce-example-file.txt
-rwxrwxrwx 1 root root 158662 Apr 26 16:52 access_log_short.csv
-rwxrwxrwx 1 root root   1367 Apr 26 16:52 SalesCountryDriver.java
-rwxrwxrwx 1 root root    659 Apr 26 16:52 SalesMapper.java
-rwxrwxrwx 1 root root    749 Apr 26 16:52 SalesCountryReducer.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls -al
total 180
drwxrwxrwx 2 hdp123 root    4096 Apr 26 16:52 .
drwxr-xr-x 3 hdp123 hadoop  4096 Apr 26 16:51 ..
-rwxrwxrwx 1 root  root   158662 Apr 26 16:52 access_log_short.csv
-rwxrwxrwx 1 root  root    386 Apr 26 16:52 hadoop-mapreduce-example-file.txt
```

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access_log_short.csv          SalesCountryDriver.java      SalesMapper.java
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hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls -al
total 180
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drwxr-xr-x 3 hdp123 hadoop  4096 Apr 26 16:51 ..
-rwxrwxrwx 1 root  root   158662 Apr 26 16:52 access_log_short.csv
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-rwxrwxrwx 1 root  root   1367 Apr 26 16:52 SalesCountryDriver.java
-rwxrwxrwx 1 root  root    749 Apr 26 16:52 SalesCountryReducer.java
-rwxrwxrwx 1 root  root    659 Apr 26 16:52 SalesMapper.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo chmod +r *.*
```

Compile Java files :

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
-rwxrwxrwx 1 root root 749 Apr 26 16:52 SalesCountryReducer.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls -al
total 180
drwxrwxrwx 2 hdp123 root 4096 Apr 26 16:52 .
drwxr-xr-x 3 hdp123 hadoop 4096 Apr 26 16:51 ..
-rwxrwxrwx 1 root root 158662 Apr 26 16:52 access_log_short.csv
-rwxrwxrwx 1 root root 386 Apr 26 16:52 hadoop-mapreduce-example-file.txt
-rwxrwxrwx 1 root root 1367 Apr 26 16:52 SalesCountryDriver.java
-rwxrwxrwx 1 root root 749 Apr 26 16:52 SalesCountryReducer.java
-rwxrwxrwx 1 root root 659 Apr 26 16:52 SalesMapper.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo chmod +r *.*
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ export CLASSPATH="$HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-client-core-2.10.1.jar:$HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-client-common-2.10.1.jar:$HADOOP_HOME/share/hadoop/common/hadoop-common-2.10.1.jar:~/analyzelogs/SalesCountry/*:$HADOOP_HOME/lib/*"
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ javac -d . SalesMapper.java SalesCountryReducer.java SalesCountryDriver.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ cd SalesCountry/
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs/SalesCountry$ ls
SalesCountryDriver.class SalesCountryReducer.class SalesMapper.class
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs/SalesCountry$ cd ..
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo nano Manifest.txt
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$
```

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
GNU nano 6.2 Manifest.txt *
Main-Class: SalesCountry.SalesCountryDriver

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify   ^_ Go To Line
```


Start Hadoop :

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
countryReducer.java SalesCountryDriver.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ cd SalesCountry/
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs/SalesCountry$ ls
SalesCountryDriver.class SalesCountryReducer.class SalesMapper.class
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs/SalesCountry$ cd ..
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo nano Manifest.txt
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ jar -cfm analyzelogs.jar Manifest.txt SalesCountry/*.class
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ start-dfs.sh
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.10.1.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
23/04/26 17:03:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: sign_and_send_pubkey: signing failed for RSA "/home/hdp123/.ssh/id_rsa" from agent: agent refused operation
hdp123@localhost's password:
```

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
23/04/26 17:09:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hdp123-resource-manager-Ubuntu.out
hdp123@localhost's password: localhost: sign_and_send_pubkey: signing failed for RSA "/home/hdp123/.ssh/id_rsa" from agent: agent refused operation

localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hdp123-nodemanager-Ubuntu.out
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ jps
38080 ResourceManager
36930 NameNode
37298 DataNode
38710 Jps
37708 SecondaryNameNode
38543 NodeManager
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$
```

Creating directory on Hadoop :

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ mkdir input
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ ls
access_log_short.csv      input                      SalesCountryDriver.java
analyzelogs.jar           Manifest.txt              SalesCountryReducer.java
hadoop-mapreduce-example-file.txt SalesCountry SalesMapper.java
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ sudo cp access_log_short.csv input/
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ $HADOOP_HOME/bin/hdfs dfs -put input /
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
10.1.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
23/04/26 17:13:36 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
put: '/input/access_log_short.csv': File exists
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ $HADOOP_HOME/bin/hadoop jar analyze
logs.jar /input /output
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
```

```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzelogs
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzelogs$ $HADOOP_HOME/bin/hdfs dfs -cat /out
put/part-00000
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.hadoop.security.authentication.
util.KerberosUtil (file:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-2.
10.1.jar) to method sun.security.krb5.Config.getInstance()
WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.
security.authentication.util.KerberosUtil
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
23/04/26 17:17:25 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
10.1.1.236      7
10.1.181.142    14
10.1.232.31     5
10.10.55.142    14
10.102.101.66   1
10.103.184.104  1
10.103.190.81   53
10.103.63.29    1
10.104.73.51    1
10.105.160.183  1
10.108.91.151   1
```



```
hdp123@Ubuntu: ~/Desktop/Kalpesh/analyzlogs
10.73.60.200 1
10.73.64.91 1
10.74.218.123 1
10.75.116.199 1
10.76.143.30 1
10.76.68.178 16
10.78.95.24 8
10.80.10.131 10
10.80.215.116 17
10.81.134.180 1
10.82.30.199 63
10.82.64.235 1
10.84.236.242 1
10.87.209.46 1
10.87.88.214 1
10.88.204.177 1
10.89.178.62 1
10.89.244.42 1
10.94.196.42 1
10.95.136.211 4
10.95.232.88 1
10.98.156.141 1
10.99.228.224 1
hdp123@Ubuntu:~/Desktop/Kalpesh/analyzlogs$
```

On Browser(localhost:50070) :



