C:\hadoop_new\share\hadoop\mapreduce>hadoop jarhadoop-mapreduce-examples-3.1.0.jar
An example program must be given as the first argument.Valid program names are:

  aggregatewordcount: An Aggregate based map/reduce program that counts thewords in the input files.

  aggregatewordhist: An Aggregate based map/reduce program that computesthe histogram of the words in the input files.

  bbp: A map/reduce program that uses Bailey-Borwein-Plouffe to compute exactdigits of Pi.

  dbcount: An example job that count the pageview counts from a database. distbbp: A map/reduce program that uses a BBP-type formula to compute exact bits of Pi.

  grep: A map/reduce program that counts the matches of a regex in the input.join: A job that effects a join over sorted, equally partitioned datasets multifilewc: A job that counts words from several files.

  pentomino: A map/reduce tile laying program to find solutions to pentominoproblems.

  pi: A map/reduce program that estimates Pi using a quasi-Monte Carlo method.
randomtextwriter: A map/reduce program that writes 10GB of random textual data per node.

  randomwriter: A map/reduce program that writes 10GB of random data pernode.

  secondarysort: An example defining a secondary sort to the reduce.

  sort: A map/reduce program that sorts the data written by the random writer.sudoku: A sudoku solver.

  teragen: Generate data for the terasortterasort: Run the terasort

  teravalidate: Checking results of terasort

  wordcount: A map/reduce program that counts the words in the input files. wordmean: A map/reduce program that counts the average length of the words in the input files.

  wordmedian: A map/reduce program that counts the median length of the wordsin the input files.

wordstandarddeviation: A map/reduce program that counts the standarddeviation of the length of the words in the input files.

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -mkdir /input

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -put E:\Desktop\input.txt \input

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -ls \inputFound 1 items
-rw-r--r--   1 Admin supergroup   45 2021-04-26 14:46 /input/input.txt

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat \input\input.txtdeer bear river
car car river
deer car bear

C:\hadoop_new\share\hadoop\mapreduce>hadoop jar hadoop-mapreduce-examples-3.1.0.jar wordcount \input \firstExampleOutput2021-04-26 16:04:57,079 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
2021-04-26 16:04:59,541 INFO mapreduce.JobResourceUploader: DisablingErasure Coding for path: /tmp/hadoop-yarn/staging/Admin/.staging/job_1619433198405_0001
2021-04-26 16:05:02,640 INFO input.FileInputFormat: Total input files to process : 1
2021-04-26 16:05:04,138 INFO mapreduce.JobSubmitter: number of splits:1 2021-04-26 16:05:04,450 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead,use yarn.system-metrics-publisher.enabled
2021-04-26 16:05:05,111 INFO mapreduce.JobSubmitter: Submitting tokens forjob: job_1619433198405_0001
2021-04-26 16:05:05,114 INFO mapreduce.JobSubmitter: Executing with tokens:[]
2021-04-26 16:05:05,609 INFO conf.Configuration: resource-types.xml not found2021-04-26 16:05:05,614 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.

2021-04-26 16:05:06,486 INFO impl.YarnClientImpl: Submitted application application_1619433198405_0001
2021-04-26 16:05:06,666 INFO mapreduce.Job: The url to track the job: http://DESKTOP-CK14PFH:8088/proxy/application_1619433198405_0001/2021-04-26 16:05:06,668 INFO mapreduce.Job: Running job: job_1619433198405_0001
2021-04-26 16:05:39,704 INFO mapreduce.Job: Job job_1619433198405_0001

running in uber mode : false

2021-04-26 16:05:39,806 INFO mapreduce.Job: map 0% reduce 0%

2021-04-26 16:06:04,188 INFO mapreduce.Job: map 100% reduce 0%

2021-04-26 16:06:41,797 INFO mapreduce.Job: map 100% reduce 100%

2021-04-26 16:06:46,907 INFO mapreduce.Job: Job job_1619433198405_0001

completed successfully

2021-04-26 16:06:47,311 INFO mapreduce.Job: Counters: 53File System
    Counters

        FILE: Number of bytes read=50

        FILE: Number of bytes written=427745 FILE:
        Number of read operations=0 FILE: Number of
        large read operations=0FILE: Number of write
        operations=0 HDFS: Number of bytes read=147

        HDFS: Number of bytes written=28 HDFS:
        Number of read operations=8

        HDFS: Number of large read operations=0HDFS:
        Number of write operations=2

    Job Counters

        Launched map tasks=1
        Launched reduce tasks=1Data-
        local map tasks=1
        Total time spent by all maps in occupied slots (ms)=19887 Total time spent
        by all reduces in occupied slots (ms)=34624Total time spent by all map
        tasks (ms)=19887

        Total time spent by all reduce tasks (ms)=34624

        Total vcore-milliseconds taken by all map tasks=19887 Total vcore-
        milliseconds taken by all reduce tasks=34624

        Total megabyte-milliseconds taken by all map tasks=20364288 Total megabyte-
        milliseconds taken by all reduce tasks=35454976

Map-Reduce Framework Map
input records=3 Map
output records=9Map
output bytes=80
Map output materialized bytes=50Input split
bytes=102
Combine input records=9
Combine output records=4
Reduce input groups=4 Reduce
shuffle bytes=50 Reduce input
records=4 Reduce output
records=4 Spilled Records=8
Shuffled Maps =1
Failed Shuffles=0 Merged
Map outputs=1
GC time elapsed (ms)=192CPU time
spent (ms)=3855
Physical memory (bytes) snapshot=454619136 Virtual
memory (bytes) snapshot=598560768 Total committed
heap usage (bytes)=245891072Peak Map Physical memory
(bytes)=269107200Peak Map Virtual memory
(bytes)=346247168
Peak Reduce Physical memory (bytes)=185511936Peak
Reduce Virtual memory (bytes)=252313600
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=45
File Output Format Counters
Bytes Written=28

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -ls \inputFound 1
items
-rw-r--r--   1 Admin supergroup   45 2021-04-26 14:46 /input/input.txt

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -ls \firstExampleOutputFound 2 items
-rw-r--r--   1 Admin supergroup   0 2021-04-26 16:06
/firstExampleOutput/_SUCCESS
-rw-r--r--   1 Admin supergroup   28 2021-04-26 16:06
/firstExampleOutput/part-r-00000

C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat
\firstExampleOutput\part-r-00000
bear   2
car   3
deer   2
river   2