create table automobile4(symboling int,nl int,make string,ft string,aspiration string,nod string,bs string,dw varchar(20),el string,wb float,

length float,width float,height float,cw bigint,et string,noc string,es int,fs varchar(20),bore float,stroke float,cr int,

hp int,prpm bigint,cmpg int,hmpg int,price bigint)

row format delimited

fields terminated by ','

lines terminated by '\n';

load data local inpath '/home/biadmin/Desktop/data23.txt' overwrite into table automobile4;

Copying data from file:/home/biadmin/Desktop/data23.txt

Copying file: file:/home/biadmin/Desktop/data23.txt

Loading data to table auto.automobile4

rmr: DEPRECATED: Please use 'rm -r' instead.

Deleted /biginsights/hive/warehouse/auto.db/automobile4

OK

Time taken: 0.815 seconds

hive> select \* from automobile4 limit 5;

OK

3 NULL alfa gas std two convertible rwd front 88.6 168.8 64.1 48.8 2548 dohc four 130 mpfi 3.472.68 9 111 5000 21 27 13495

3 NULL alfa gas std two convertible rwd front 88.6 168.8 64.1 48.8 2548 dohc four 130 mpfi 3.472.68 9 111 5000 21 27 16500

1 NULL alfa gas std two hatchback rwd front 94.5 171.2 65.5 52.4 2823 ohcv six 152 mpfi 2.683.47 9 154 5000 19 26 16500

2 164 audi gas std four sedan fwd front 99.8 176.6 66.2 54.3 2337 ohc four 109 mpfi 3.19 3.4 10 102 5500 24 30 13950

2 164 audi gas std four sedan 4wd front 99.4 176.6 66.4 54.3 2824 ohc five 136 mpfi 3.19 3.4 8115 5500 18 22 17450

Time taken: 0.218 seconds, Fetched: 5 row(s)

hive> select distinct(make) from automobile4 where ft='diesel' limit 40;

Total MapReduce jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapred.reduce.tasks=<number>

Starting Job = job\_201811210039\_0003, Tracking URL = http://bivm.ibm.com:50030/jobdetails.jsp?jobid=job\_201811210039\_0003

Kill Command = /opt/ibm/biginsights/IHC/bin/hadoop job -kill job\_201811210039\_0003

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2018-11-21 01:52:46,540 Stage-1 map = 0%, reduce = 0%

2018-11-21 01:53:03,125 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:04,134 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:05,150 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:06,180 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:07,189 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:08,198 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:09,214 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:10,232 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:11,250 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:12,267 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:13,285 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:14,297 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.47 sec

2018-11-21 01:53:15,307 Stage-1 map = 100%, reduce = 33%, Cumulative CPU 3.47 sec

2018-11-21 01:53:16,315 Stage-1 map = 100%, reduce = 33%, Cumulative CPU 3.47 sec

2018-11-21 01:53:17,339 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.77 sec

2018-11-21 01:53:18,347 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.77 sec

2018-11-21 01:53:19,355 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.77 sec

2018-11-21 01:53:20,373 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.77 sec

MapReduce Total cumulative CPU time: 7 seconds 770 msec

Ended Job = job\_201811210039\_0003

MapReduce Jobs Launched:

Job 0: Map: 1 Reduce: 1 Cumulative CPU: 7.77 sec HDFS Read: 26151 HDFS Write: 58 SUCCESS

Total MapReduce CPU Time Spent: 7 seconds 770 msec

OK

mazda

mercedes-benz

nissan

peugot

toyota

volkswagen

volvo

Time taken: 64.717 seconds, Fetched: 7 row(s)

hive> select make,count(\*) from automobile4 group by(make);

Total MapReduce jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapred.reduce.tasks=<number>

Starting Job = job\_201811210039\_0004, Tracking URL = http://bivm.ibm.com:50030/jobdetails.jsp?jobid=job\_201811210039\_0004

Kill Command = /opt/ibm/biginsights/IHC/bin/hadoop job -kill job\_201811210039\_0004

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2018-11-21 01:55:23,272 Stage-1 map = 0%, reduce = 0%

2018-11-21 01:55:35,577 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:36,652 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:37,666 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:38,676 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:39,682 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:40,690 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:41,698 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:42,713 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:43,727 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:44,743 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:45,757 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:46,768 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:47,778 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec

2018-11-21 01:55:48,785 Stage-1 map = 100%, reduce = 33%, Cumulative CPU 2.26 sec

2018-11-21 01:55:49,793 Stage-1 map = 100%, reduce = 33%, Cumulative CPU 2.26 sec

2018-11-21 01:55:50,802 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.55 sec

2018-11-21 01:55:51,809 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.55 sec

2018-11-21 01:55:52,820 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.55 sec

2018-11-21 01:55:53,835 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.55 sec

MapReduce Total cumulative CPU time: 5 seconds 550 msec

Ended Job = job\_201811210039\_0004

MapReduce Jobs Launched:

Job 0: Map: 1 Reduce: 1 Cumulative CPU: 5.55 sec HDFS Read: 26151 HDFS Write: 216 SUCCESS

Total MapReduce CPU Time Spent: 5 seconds 550 msec

OK

alfa 3

audi 7

bmw 8

chevrolet 3

dodge 9

honda 13

isuzu 4

jaguar 3

mazda 17

mercedes-benz 8

mercury 1

mitsubishi 13

nissan 18

peugot 11

plymouth 7

porsche 5

renault 2

saab 6

subaru 12

toyota 32

volkswagen 12

volvo 11

Time taken: 52.545 seconds, Fetched: 22 row(s)