

## Tables company and nyse created

```
File Edit View Search Terminal Help
cloudera@quickstart:~$
Yamana Gold Inc. 33200
Yanzhou Coal Mining Company Limited 1751600
Yingli Green Energy Holding Company Limited 20611900
Yum! Brands, Inc. 24315400
Zep Inc. 783000
Zimmer Holdings, Inc. 8961700
Zweig Fund, Inc. (The) 1001700
Zweig Total Return Fund, Inc. (The) 829800
Time taken: 179.443 seconds, Fetched: 1953 row(s)
hive> desc company;
OK
symbol      string
name         string
lastsale    decimal(10,0)
col 5        string
col 6        string
sector       string
industry     string
url          string
Time taken: 0.557 seconds, Fetched: 8 row(s)
hive> desc nyse;
OK
stockticker string
tradingdate  string
open_price  float
high_price  float
low_price   float
close_price float
volume      bigint
Time taken: 0.311 seconds, Fetched: 7 row(s)
hive>
```

cloudera@quickstart:~\$ FAILED: Execution Error...

## Selected Shares Traded company wise

```
cloudera-quickstart-vm-5.12.0-0-virtualbox [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System

cloudera@quickstart:~$
File Edit View Search Terminal Help
Willbros Group, Inc. 2447700
Williams Companies, Inc. (The) 25128400
Williams Partners L.P. 1242900
Williams-Sonoma, Inc. 8820700
Willis Group Holdings Limited 5273200
Winnebago Industries, Inc. 2305100
Winthrop Realty Trust 699500
Wipro Limited 2498900
Wisconsin Energy Corporation 2359800
Wolverine World Wide, Inc. 2465100
Woori Finance Holdings Co Ltd 93700
World Fuel Services Corporation 2344100
World Wrestling Entertainment, Inc. 833094
Worthington Industries, Inc. 6009400
Wuxi Pharmatech (Cayman) Inc. 5615800
Wyndham Worldwide Corp 15785800
XL Group plc 34257400
Xcel Energy Inc. 11295300
Xerium Technologies, Inc. 2861100
Xerox Corporation 142985300
Xinyuan Real Estate Co Ltd 1275200
YPF Sociedad Anonima 33200
Yamana Gold Inc. 37386300
Yanzhou Coal Mining Company Limited 1751600
Yingli Green Energy Holding Company Limited 20611900
Yum! Brands, Inc. 24315400
Zep Inc. 783000
Zimmer Holdings, Inc. 8961700
Zweig Fund, Inc. (The) 1001700
Zweig Total Return Fund, Inc. (The) 829800
Time taken: 179.443 seconds, Fetched: 1953 row(s)
hive> select c.name, max(n.volume) from company c join nyse n on(c.sumbol=n.stockticker) group by c.name;

cloudera@quickstart:~$
MapReduce Job job_16... cloudera@quickstart:~$ Documents
```

## Selected Shares Traded Industry wise

```
cloudera-quickstart-vm-5.12.0-0-virtualbox [Running] - Oracle VM VirtualBox
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cloudera@quickstart:~
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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 mapreduce.job.reducers=<number>
Starting Job = job_1623149336016_0010, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1623149336016_0010/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1623149336016_0010
Hadoop job information for Stage-2: number of mappers: 1; number of reducers: 1
2021-06-08 06:29:44,081 Stage-2 map = 0%, reduce = 0%
2021-06-08 06:30:03,574 Stage-2 map = 100%, reduce = 0%, Cumulative CPU 2.51 sec
2021-06-08 06:30:25,048 Stage-2 map = 100%, reduce = 100%, Cumulative CPU 6.58 sec
MapReduce Total cumulative CPU time: 6 seconds 580 msec
Ended Job = job_1623149336016_0010
MapReduce Jobs Launched:
Stage-Stage-1: Map: 2 Reduce: 1 Cumulative CPU: 27.52 sec HDFS Read: 26562783 HDFS Write: 559 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 6.58 sec HDFS Read: 5567 HDFS Write: 305 SUCCESS
Total MapReduce CPU Time Spent: 34 seconds 100 msec
OK
Basic Industries      125062000
Capital Goods        541015000
Consumer Durables    28364200
Consumer Non-Durables 147438000
Consumer Services    144189000
Energy               752731000
Finance              1226792000
Health Care          210463000
Miscellaneous        142985300
Public Utilities     244426200
Technology           163101600
Transportation       70268096
n/a                  43881700
Time taken: 178.59 seconds, Fetched: 13 row(s)
hive> select c.industry, max(n.volume) from company c join nyse n on(c.symbol=n.stockticker) group by c.industry;
```



## Selected Shares Traded Sector wise

The screenshot shows a terminal window titled "cloudera-quickstart-vm-5.12.0-0-virtualbox [Running] - Oracle VM VirtualBox". The terminal displays the output of a Hive query that selects the top stock by volume for each sector. The results are as follows:

Sector	Symbol	Volume
n/a	WPP	697500
n/a	WR	11790300
n/a	WRB	4463200
n/a	WRD	207500
n/a	WRE	8092700
n/a	WRI	22950600
n/a	WSM	8820700
n/a	WSO	1249500
n/a	WST	1472400
n/a	WTM	142800
n/a	WTR	4629300
n/a	WU	28337100
n/a	WWE	833094
n/a	WWW	2465100
n/a	WY	9261000
n/a	WYN	15785800
n/a	X	50011900
n/a	XAA	62500
n/a	XEC	3891000
n/a	XEL	11295300
n/a	XKE	218600
n/a	XL	34257400
n/a	XOM	91455600
n/a	XRX	142985300
n/a	XVG	50700
n/a	Y	130700
n/a	YUM	24315400
n/a	ZEP	783000
n/a	ZMH	8961700
n/a	ZQK	8546400

Time taken: 179.732 seconds, Fetched: 2019 row(s)  
hive> select c.sector,c.symbol,max(n.volume) from company c join nyse n on(c.symbol=n.stockticker) group by c.sector,c.symbol;

The terminal window also shows a taskbar at the bottom with icons for Windows, search, and various applications, including a MapReduce job monitor.