Screenshot of query results:

```
br33@dsc650-breannaparker: × + v
      > tblproperties("skip.header.line.count"="1");
 OK
 Time taken: 1.975 seconds
hive> select * from grades;
OK
Time taken: 2.603 seconds
hive> LOAD DATA INPATH '/grades.csv' INTO TABLE grades;
Loading data to table default.grades
 Time taken: 0.417 seconds
 hive> select * from grades;
OK
Alfalfa Aloysius 123-
Alfred University 123-
Gerty Gramma 567-89-0123
Android Electric 087-
                                 123-45-6789
                                                       40.0
                                                                  90
                                                                             100.0
                                                                                        83.0
                                                                                                   49.0
                                                                                                              D-
                                                                  97
60.0
                                                                                        97.0
44.0
                                                                             96.0
40.0
                                                       41.0
                                                                                                   48.0
                                                                                                              D+
                                 123-12-1234
                                            41.0
                                                       80
                                                                             36.0
77.0
                              087-65-4321
                                                        42.0
                                                                                        45.0
                                                                                                    47.0
 Bumpkin Fred 456-78-9012
                                            43.0
                                                                   88.0
                                                                                        45.0
234-56-7890

Buff Bif 632-79-9939

Airpump Andrew 223-45-6789

Backus Jim 143-12-13
Rubble Betty
Noshow Cecil
Buff Bif
                      234-56-7890
                                            44.0
                                                                   80.0
                                                                             90.0
                                                                                        46.0
                                                                  -1.0
30.0
                                            45.0
                                                                             4.0
                                                                                        43.0
                                            46.0
49.0
                                                       20
1
                                                                             40.0
                                                                                        50.0
                                                                                                   B+
                                                                                        83.0
97.0
60.0
                                                                  90.0
                                                                             100.0
                                                                                                   Α
                                            48.0
                                                                   97.0
                                                                             96.0
80.0
 Carnivore
                       Art 565-89-0123
                                                       44.0
                                                                                                   40.0
Dandy Jim
Elephant
                       087-75-4321
                                         47.0
                                                                   23.0
                                                                             36.0
78.0
                                                                                        45.0
                      Ima 456-71-9012
Benny 234-56-2890
345-67-3901 40.0
Harvey 632-79-9439
                                                       45.0
                                                                                        88.0
                                                                                                    77.0
 Franklin
                                                       50.0
                                                                             90.0
                                                                                        80.0
                                                                                                   90.0
George Boy
Heffalump
                                                                   11.0
                                                                             -1.0
20.0
                                                                                        4.0
                                                                                                   40.0
                                                       30.0
                                                                                        30.0
 Time taken: 0.162 seconds, Fetched: 16 row(s)
hive>
```

Query 1:

```
br33@dsc650-breannaparker: X
hive> select * from grades order by Grade ASC;
2023-12-12 21:45:30,138 INFO [c03a0337-1e58-4ffa-a03c-9c4ecb21bb8d main] reducesink.VectorReduceS
constructor vectorReduceSinkInfo org.apache.hadoop.hive.ql.plan.VectorReduceSinkInfo@166ddfb7
Query ID = root_20231212214529_d3fc152a-2baa-4cd9-8f80-dd20dc387433
Total jobs = 1
Launching Job 1 out of 1
Tez session was closed. Reopening...
2023-12-12 21:45:30,813 INFO [c03a0337-1e58-4ffa-a03c-9c4ecb21bb8d main] client.RMProxy: Connecti
Session re-established.
Session re-established.
Status: Running (Executing on YARN cluster with App id application_1702416591548_0004)
        VERTICES
                       MODE
                                   STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 ..... container
                                SUCCEEDED
                                                                                                0
                                SUCCEEDED
                                                                     0
                                                                               0
                                                                                       0
                                                                                                Θ
Reducer 2 ..... container
VERTICES: 02/02 [===
                                        =====>>] 100% ELAPSED TIME: 5.48 s
Airpump Andrew 223-45-6789
                                 49.0
                                                  90.0
                                                           100.0
                                                                   83.0
Backus Jim
                 143-12-1234
                                 48.0
                                                  97.0
                                                           96.0
                                                                   97.0
                                                                           Α+
Bumpkin Fred
                                 43.0
                 456-78-9012
                                          78
                                                  88.0
                                                           77.0
                                                                   45.0
                                                                           Α-
George Boy
                 345-67-3901
                                 40.0
                                                  11.0
                                                           -1.0
                                                                           В
                                          1
                                                                   4.0
        Bif
Buff
                 632-79-9939
                                 46.0
                                          20
                                                  30.0
                                                           40.0
                                                                   50.0
                                                                           B+
Android Electric
                         087-65-4321
                                          42.0
                                                  23
                                                           36.0
                                                                   45.0
                                                                           47.0
                                                                                    В-
Franklin
                 Benny
                         234-56-2890
                                          50.0
                                                  1
                                                           90.0
                                                                   80.0
                                                                           90.0
                                                                                    B-
                                          45.0
                         456-71-9012
                                                           78.0
                                                                   88.0
                                                                           77.0
                                                                                    В-
Elephant
                 Ima
                Harvey
Heffalump
                        632-79-9439
                                          30.0
                                                  1
                                                           20.0
                                                                   30.0
                                                                           40.0
                                                                                    C
                567-89-0123
Gerty
       Gramma
                                 41.0
                                          80
                                                  60.0
                                                           40.0
                                                                   44.0
Dandy
        Jim
                 087-75-4321
                                 47.0
                                          1
                                                  23.0
                                                           36.0
                                                                   45.0
                                                                           C+
                                 44.0
Rubble Betty
                 234-56-7890
                                          90
                                                  80.0
                                                           90.0
                                                                   46.0
                                                                           C-
Carnivore
                Art
                         565-89-0123
                                          44.0
                                                  1
                                                           80.0
                                                                   60.0
                                                                           40.0
                                                                                    D+
Alfred University
                                          41.0
                                                  97
                         123-12-1234
                                                           96.0
                                                                   97.0
                                                                           48.0
                                                                                    D+
Alfalfa Aloysius
                                          40.0
                                                           100.0
                                                                           49.0
                         123-45-6789
                                                  90
                                                                   83.0
                                                                                    D-
Noshow Cecil 345-67-8901
                                 45.0
                                                  -1.0
                                                           4.0
                                                                   43.0
                                          11
Time taken: 13.419 seconds, Fetched: 16 row(s)
```

Query 2:

Query 3:

```
hive> select count (grade) from grades;
2023-12-12 21:58:42,488 INFO [c03a0337-1e58-4ffa-a03c-9c4ecb21bb8d main] reducesink.VectorReduceSinkEmptyKeyOperator: V
ectorReduceSinkEmptyKeyOperator constructor vectorReduceSinkInfo org.apache.hadoop.hive.ql.plan.VectorReduceSinkInfo@20a
18cc9
18cc9
Query ID = root_20231212215842_9938739f-c450-48cd-aac5-f50b3f77cfbd
Total jobs = 1
Launching Job 1 out of 1
Tez session was closed. Reopening...
2023-12-12 21:58:42_667 INFO [c03a0337-1e58-4ffa-a03c-9c4ecb21bb8d main] client.RMProxy: Connecting to ResourceManager at master/172.28.1.1:8032
Session re-established.
 Session re-established.
Status: Running (Executing on YARN cluster with App id application_1702416591548_0005)
             VERTICES
                                   MODE
                                                        STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 ..... container Reducer 2 ..... container
                                                   SUCCEEDED
                                                                                                            0
0
                                                                                                                           0
                                                   SUCCEEDED
                                                                                                                                                     0
16
Time taken: 11.44 seconds, Fetched: 1 row(s)
hive>
```

From my own dataset. Found a list of 100 organizations and their data: Query 1:

```
hive> select name from orgs where num_employees > 6000;
OK
Mayer Group
Hansen-Everett
Carr Inc
Gaines Inc
Kidd Group
Crane-Clarke
Glover-Pope
Hodge-Ayers
Branch-Mann
Ayala LLC
Burch-Ewing
Cuevas-Moss
Arroyo Inc
Prince PLC
Brock-Blackwell
Gonzales Ltd
Cherry PLC
Melton-Nichols
Potter-Walsh
Soto Group
Riley Ltd
Duffy-Levy
Wagner LLC
Hicks LLC
Cummings-Rojas
Crawford-Rivera
Montes-Henslev
Eaton-Morales
Pineda-Morton
Huang and Sons
Rowe and Sons
Time taken: 0.156 seconds, Fetched: 31 row(s)
```

Query 2:

```
br33@dsc650-breannaparker: × + v
hive> select count(founded), founded from orgs group by founded order by count(founded) desc; 2023-12-12 22:30:20,689 INFO [428b21e3-6527-43ee-8cf3-5c9c0ed114a0 main] reducesink.VectorReduceSinkObjectHashOperator: VectorReduceSinkObjectHashOperator constructor vectorReduceSinkInfo org.apache.hadoop.hive.ql.plan.VectorReduceSinkInfo
@c8ed958
Query ID = root_20231212223020_ac308a8f-8700-4ee6-9dd5-af90714de25a
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1702416591548_0008)
                                                       STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
                                   MODE
Map 1 ..... container
Reducer 2 .... container
Reducer 3 .... container
                                                   SUCCEEDED
                                                                                                            0
                                                   SUCCEEDED
                                                                                                                           0
                                                   SUCCEEDED
OK
             2012
1991
44333333322222222
             2021
             1970
             1972
             1990
             1971
             2009
             1986
             1976
1998
             1999
2001
             2002
             1987
             2006
             1988
```

Query 3:

```
br33@dsc650-breannaparker: × + v

hive> select index,name from orgs where country = 'Sweden' or industry = 'Ceramics';

OK

15    Pacheco-Spears

44    Prince PLC

Time taken: 0.133 seconds, Fetched: 2 row(s)

hive>
```