

Bharathwin MA

205229105

Big Data Management and Analytics Lab Report

Q01: Display records who paid money through credit card?

```
hive> select * from Sales WHERE Payment='Credit card';
OK
631-41-3108    A      Yangon Normal Male   Home and lifestyle  46.33  7      16.2155 340.5255      03-03-2019  Credit card  16.2155 7.4
665-32-9167    A      Yangon Member Female Health and beauty  36.26  2      3.626   76.146 01-10-2019  Credit card  3.626   7.2
692-92-5582    B      Mandalay Member Female Food and beverages  54.84  3      8.226   172.746 2/20/2019  Credit card  8.226   5.9
656-95-9349    A      Yangon Member Female Health and beauty  68.93  7      24.1255 506.6355      03-11-2019  Credit card  24.1255 4.6
765-26-6951    A      Yangon Normal Male   Sports and travel   72.61  6      21.783  457.443 01-01-2019  Credit card  21.783  6.9
329-62-1586    A      Yangon Normal Male   Food and beverages  54.67  3      8.2005  172.2105 1/21/2019  Credit card  8.2005  8.6
273-16-6619    B      Mandalay Normal Male   Home and lifestyle  33.2   2      3.32    69.72 3/15/2019  Credit card  3.32    4.4
227-03-5010    A      Yangon Member Female Home and lifestyle  52.59  8      21.036  441.756 3/22/2019  Credit card  21.036  8.5
189-17-4241    A      Yangon Normal Female Fashion accessories  87.67  2      8.767   184.107 03-10-2019  Credit card  8.767   7.7
871-79-8483    B      Mandalay Normal Male   Fashion accessories  94.13  5      23.5325 494.1825 2/25/2019  Credit card  23.5325 4.8
595-11-5460    A      Yangon Normal Male   Health and beauty   96.58  2      9.658   202.818 3/15/2019  Credit card  9.658   5.1
370-41-7321    B      Mandalay Member Male   Health and beauty   56.69  9      25.5105 535.7205 2/27/2019  Credit card  25.5105 8.4
669-54-1719    B      Mandalay Member Male   Electronic accessories 18.93  6      5.679   119.259 02-10-2019  Credit card  5.679   8.1
778-71-5554    C      Naypyitaw Member Male   Fashion accessories  15.43  1      0.7715  16.2015 1/25/2019  Credit card  0.7715  6.1
285-68-5883    C      Naypyitaw Member Female Sports and travel  24.74  3      3.711   77.931 2/15/2019  Credit card  3.711   10.0
199-75-8169    A      Yangon Member Male   Sports and travel   15.81  10     7.905   166.005 03-06-2019  Credit card  7.905   8.6
393-65-2792    C      Naypyitaw Normal Male   Food and beverages  89.48  10     44.74   939.54 01-06-2019  Credit card  44.74   9.6
732-94-0499    C      Naypyitaw Normal Female Electronic accessories 41.65  10     20.825  437.325 1/13/2019  Credit card  20.825  5.4
263-10-3913    C      Naypyitaw Member Male   Fashion accessories  49.04  9      22.068  463.428 01-09-2019  Credit card  22.068  8.6
381-20-0914    A      Yangon Member Female Fashion accessories  20.01  9      9.0045  189.0945 01-12-2019  Credit card  9.0045  5.7
870-72-4431    C      Naypyitaw Normal Female Health and beauty   99.19  6      29.757  624.897 1/21/2019  Credit card  29.757  5.5
787-56-0757    C      Naypyitaw Member Female Food and beverages  80.36  4      16.072  337.512 2/23/2019  Credit card  16.072  8.3
633-44-8566    A      Yangon Member Male   Food and beverages  49.38  7      17.283  362.943 3/27/2019  Credit card  17.283  7.3
152-08-9985    B      Mandalay Member Male   Health and beauty   64.36  9      28.962  608.202 03-12-2019  Credit card  28.962  8.6
512-91-0011    C      Naypyitaw Normal Male   Health and beauty   89.75  1      4.4875  94.2375 02-06-2019  Credit card  4.4875  6.0
628-34-3388    C      Naypyitaw Normal Male   Fashion accessories  27.38  6      8.214   172.494 01-05-2019  Credit card  8.214   7.9
210-67-5886    C      Naypyitaw Member Female Health and beauty   90.21  3      14.7315 309.3615 02-05-2019  Credit card  14.7315 7.8
237-01-6122    C      Naypyitaw Member Female Home and lifestyle  80.79  9      36.3555 763.4655 02-01-2019  Credit card  36.3555 9.5
225-98-1496    C      Naypyitaw Normal Female Fashion accessories  27.02  3      4.053   85.113 03-02-2019  Credit card  4.053   7.1
638-60-7125    A      Yangon Normal Female Electronic accessories 99.56  8      39.824  836.304 2/14/2019  Credit card  39.824  5.2
659-36-1684    C      Naypyitaw Member Male   Sports and travel   57.12  7      19.992  419.832 01-12-2019  Credit card  19.992  6.5
219-22-9386    B      Mandalay Member Male   Sports and travel   99.96  9      44.982  944.622 03-09-2019  Credit card  44.982  4.2
336-78-2147    C      Naypyitaw Member Male   Home and lifestyle  63.91  8      25.564  536.844 3/13/2019  Credit card  25.564  4.6
668-90-8900    A      Yangon Normal Female Home and lifestyle  93.69  7      32.7915 688.6215 03-10-2019  Credit card  32.7915 4.5
189-08-9157    C      Naypyitaw Normal Female Fashion accessories  31.73  9      14.2785 299.8485 01-08-2019  Credit card  14.2785 5.9
590-83-4591    B      Mandalay Member Male   Electronic accessories 87.45  6      26.235  550.935 2/17/2019  Credit card  26.235  8.8
700-81-1757    A      Yangon Normal Female Electronic accessories 26.31  5      6.5775  138.1275 1/18/2019  Credit card  6.5775  8.8
```

hive> select * from sales where payment='Credit card';

OK

631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	Credit card	16.2155	7.4
665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	01-10-2019	Credit card	3.626	7.2
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	Credit card	8.226	5.9
656-95-9349	A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255	506.6355	03-11-2019	Credit card	24.1255	4.6
765-26-6951	A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783	457.443	01-01-2019	Credit card	21.783	6.9
329-62-1586	A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005	172.2105	1/21/2019	Credit card	8.2005	8.6
273-16-6619	B	Mandalay	Normal	Male	Home and lifestyle	33.2	2	3.32	69.72	3/15/2019	Credit card	3.32	4.4
227-03-5010	A	Yangon	Member	Female	Home and lifestyle	52.59	8	21.036	441.756	3/22/2019	Credit card	21.036	8.5
189-17-4241	A	Yangon	Normal	Female	Fashion accessories	87.67	2	8.767	184.107	03-10-2019	Credit card	8.767	7.7
871-79-8483	B	Mandalay	Normal	Male	Fashion accessories	94.13	5	23.5325	494.1825	2/25/2019	Credit card	23.5325	4.8
595-11-5460	A	Yangon	Normal	Male	Health and beauty	96.58	2	9.658	202.818	3/15/2019	Credit card	9.658	5.1
370-41-7321	B	Mandalay	Member	Male	Health and beauty	56.69	9	25.5105	535.7205	2/27/2019	Credit card	25.5105	8.4
669-54-1719	B	Mandalay	Member	Male	Electronic accessories	18.93	6	5.679	119.259	02-10-2019	Credit card	5.679	8.1
778-71-5554	C	Naypyitaw	Member	Male	Fashion accessories	15.43	1	0.7715	16.2015	1/25/2019	Credit card	0.7715	6.1
285-68-5883	C	Naypyitaw	Member	Female	Sports and travel	24.74	3	3.711	77.931	2/15/2019	Credit card	3.711	10.0
199-75-8169	A	Yangon	Member	Male	Sports and travel	15.81	10	7.905	166.005	03-06-2019	Credit card	7.905	8.6
393-65-2792	C	Naypyitaw	Normal	Male	Food and beverages	89.48	10	44.74	939.54	01-06-2019	Credit card	44.74	9.6
732-94-0499	C	Naypyitaw	Normal	Female	Electronic accessories	41.65	10	20.825	437.325	1/13/2019	Credit card	20.825	5.4
263-10-3913	C	Naypyitaw	Member	Male	Fashion accessories	49.04	9	22.068	463.428	01-09-2019	Credit card	22.068	8.6
381-20-0914	A	Yangon	Member	Female	Fashion accessories	20.01	9	9.0045	189.0945	01-12-2019	Credit card	9.0045	5.7
870-72-4431	C	Naypyitaw	Normal	Female	Health and beauty	99.19	6	29.757	624.897	1/21/2019	Credit card	29.757	5.5
787-56-0757	C	Naypyitaw	Member	Female	Food and beverages	80.36	4	16.072	337.512	2/23/2019	Credit card	16.072	8.3
633-44-8566	A	Yangon	Member	Male	Food and beverages	49.38	7	17.283	362.943	3/27/2019	Credit card	17.283	7.3
152-08-9985	B	Mandalay	Member	Male	Health and beauty	64.36	9	28.962	608.202	03-12-2019	Credit card	28.962	8.6
512-91-0011	C	Naypyitaw	Normal	Male	Health and beauty	89.75	1	4.4875	94.2375	02-06-2019	Credit card	4.4875	6.0
628-34-3388	C	Naypyitaw	Normal	Male	Fashion accessories	27.38	6	8.214	172.494	01-05-2019	Credit card	8.214	7.9
210-67-5886	C	Naypyitaw	Member	Female	Health and beauty	90.21	3	14.7315	309.3615	02-05-2019	Credit card	14.7315	7.8
237-01-6122	C	Naypyitaw	Member	Female	Home and lifestyle	80.79	9	36.3555	763.4655	02-01-2019	Credit card	36.3555	9.5
225-98-1496	C	Naypyitaw	Normal	Female	Fashion accessories	27.02	3	4.053	85.113	03-02-2019	Credit card	4.053	7.1
638-60-7125	A	Yangon	Normal	Female	Electronic accessories	99.56	8	39.824	836.304	2/14/2019	Credit card	39.824	5.2
659-36-1684	C	Naypyitaw	Member	Male	Sports and travel	57.12	7	19.992	419.832	01-12-2019	Credit card	19.992	6.5
219-22-9386	B	Mandalay	Member	Male	Sports and travel	99.96	9	44.982	944.622	03-09-2019	Credit card	44.982	4.2
336-78-2147	C	Naypyitaw	Member	Male	Home and lifestyle	63.91	8	25.564	536.844	3/13/2019	Credit card	25.564	4.6
668-90-8900	A	Yangon	Normal	Female	Home and lifestyle	93.69	7	32.7915	688.6215	03-10-2019	Credit card	32.7915	4.5
189-08-9157	C	Naypyitaw	Normal	Female	Fashion accessories	31.73	9	14.2785	299.8485	01-08-2019	Credit card	14.2785	5.9
590-83-4591	B	Mandalay	Member	Male	Electronic accessories	87.45	6	26.235	550.935	2/17/2019	Credit card	26.235	8.8
700-81-1757	A	Yangon	Normal	Female	Electronic accessories	26.31	5	6.5775	138.1275	1/18/2019	Credit card	6.5775	8.8

Q02: Show all Invoice ID which table entry in has more than 9 rating.

```
hive> select InvoiceID from sales where rating > 9;
OK
750-67-8428
226-31-3081
636-48-8204
145-94-9061
132-32-9879
326-78-5178
120-06-4233
285-68-5083
347-34-2234
109-28-2512
393-65-2792
287-21-9091
362-58-8315
865-92-6136
212-62-1842
861-77-0145
237-01-6122
354-39-5160
575-30-8091
338-65-2210
458-41-1477
685-64-1609
214-17-6927
400-89-4171
307-85-2293
423-57-2993
316-55-4634
608-27-6295
175-54-2529
342-65-4817
400-60-7251
286-43-6208
831-07-6050
426-39-2418
672-51-8681
389-25-3394
```

hive> select InvoiceID from sales where rating > 9;

OK

750-67-8428

226-31-3081

636-48-8204

145-94-9061

132-32-9879

326-78-5178

120-06-4233

285-68-5083

347-34-2234

109-28-2512

393-65-2792

Time taken: 0.332 seconds, Fetched: 151 row(s)

Q03: Find Average sale amount in the data set.

```
hive> select avg(total) from sales;
Query ID = cloudera_20211022030303_64ef5663-61ac-4be0-8354-14bfb263fcce
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0001, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0001/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0001
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:03:39,380 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:03:53,816 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.94 sec
2021-10-22 03:04:05,588 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.71 sec
MapReduce Total cumulative CPU time: 4 seconds 710 msec
Ended Job = job_1634891597995_0001
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.71 sec HDFS Read: 117241 HDFS Write: 18 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 710 msec
OK
322.9667492055893
Time taken: 63.357 seconds, Fetched: 1 row(s)
hive>
```

Q04: Calculate total gross income in the data set.

```
hive> select SUM(grossincome) from sales;
Query ID = cloudera_20211022031919_7d57fbc8-60f4-4ade-a0a7-83563cb94383
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0003, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0003/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0003
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:19:28,406 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:19:40,437 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.94 sec
2021-10-22 03:19:49,951 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.01 sec
MapReduce Total cumulative CPU time: 4 seconds 10 msec
Ended Job = job_1634891597995_0003
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.01 sec HDFS Read: 117050 HDFS Write: 18 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 10 msec
OK
15379.36899703741
Time taken: 33.279 seconds, Fetched: 1 row(s)
```

Q05: Find total sale amount under 'Sports and travel' product line.

```
hive> select SUM(total) from sales WHERE Productline='Sports and travel';
Query ID = cloudera_20211022033131_bbbc9bcb-83d2-4e69-8b88-f55db357479e
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0005, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0005/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0005
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:31:33,979 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:31:42,606 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.31 sec
2021-10-22 03:31:52,128 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.43 sec
MapReduce Total cumulative CPU time: 4 seconds 430 msec
Ended Job = job_1634891597995_0005
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.43 sec HDFS Read: 118146 HDFS Write: 18 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 430 msec
OK
55122.82658100128
Time taken: 28.873 seconds, Fetched: 1 row(s)
hive>
```

Q06: Find maximum sales amount in which payment in 'Ewallet' payment:

```
hive> select max(total) from sales where payment='Ewallet';
Query ID = cloudera_20211022033333_c282eeca-d3f9-46b7-8129-db7ce7c69839
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0006, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0006/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0006
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:33:25,333 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:33:34,817 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.1 sec
2021-10-22 03:33:45,422 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.59 sec
MapReduce Total cumulative CPU time: 4 seconds 590 msec
Ended Job = job_1634891597995_0006
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.59 sec HDFS Read: 117902 HDFS Write: 8 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 590 msec
OK
1034.46
Time taken: 31.796 seconds, Fetched: 1 row(s)
hive>
```

Q07: Count number of sales which is has >5 quantity:

```
hive> select count(total) from sales where Quantity > 5;
Query ID = cloudera_20211022033737_2ef18ff7-6330-43b4-bda2-211a1887458c
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0007, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0007/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0007
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:38:05,070 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:38:13,609 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.28 sec
2021-10-22 03:38:23,105 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.43 sec
MapReduce Total cumulative CPU time: 4 seconds 430 msec
Ended Job = job_1634891597995_0007
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.43 sec HDFS Read: 117674 HDFS Write: 4 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 430 msec
OK
496
Time taken: 28.897 seconds, Fetched: 1 row(s)
hive>
```

Q08: Find minimum and maximum sale total amount:

```
hive> select min(total) from sales;
Query ID = cloudera_20211022033939_26639f27-9871-403a-8755-ff4d5f46e537
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0008, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0008/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0008
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:39:57,780 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:40:06,283 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.76 sec
2021-10-22 03:40:16,783 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 3.71 sec
MapReduce Total cumulative CPU time: 3 seconds 710 msec
Ended Job = job_1634891597995_0008
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 3.71 sec HDFS Read: 116847 HDFS Write: 8 SUCCESS
Total MapReduce CPU Time Spent: 3 seconds 710 msec
OK
10.6785
Time taken: 28.622 seconds, Fetched: 1 row(s)
hive>
```

```

hive> select max(total) from sales;
Query ID = cloudera_20211022034141_abe86e21-d909-4c07-a09d-ee47adc68395
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 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 mapreduce.job.reduces=<number>
Starting Job = job_1634891597995_0009, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1634891597995_0009/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1634891597995_0009
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-10-22 03:41:16,936 Stage-1 map = 0%, reduce = 0%
2021-10-22 03:41:24,327 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.78 sec
2021-10-22 03:41:33,866 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.19 sec
MapReduce Total cumulative CPU time: 4 seconds 190 msec
Ended Job = job_1634891597995_0009
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.19 sec HDFS Read: 116847 HDFS Write: 8 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 190 msec
OK
1042.65
Time taken: 26.997 seconds, Fetched: 1 row(s)
hive>

```

Q09: List the product line which has more than 8 rating:

```

hive> select Productline from sales where rating > 8;
OK
Health and beauty
Electronic accessories
Health and beauty
Food and beverages
Food and beverages
Electronic accessories
Home and lifestyle
Food and beverages
Electronic accessories
Health and beauty
Electronic accessories
Food and beverages
Food and beverages
Electronic accessories
Electronic accessories
Sports and travel
Sports and travel
Sports and travel
Fashion accessories
Food and beverages
Electronic accessories
Home and lifestyle
Fashion accessories
Food and beverages
Fashion accessories
Sports and travel
Health and beauty
Food and beverages
Food and beverages
Electronic accessories
Fashion accessories

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hive> select Productline from sales where rating > 8;

OK

Health and beauty

Electronic accessories

Health and beauty

Food and beverages

Food and beverages

Electronic accessories

Home and lifestyle