

## Screenshots of Hive Queries

### Query 1:

```
HDFS Write: 200803 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 6.01 sec HDFS Read: 220939
HDFS Write: 573 SUCCESS
Total MapReduce CPU Time Spent: 14 seconds 10 msec
OK
356      Forrest Gump      1994      356      329
318      Shawshank Redemption, The      1994      318      317
296      Pulp Fiction      1994      296      307
593      Silence of the Lambs, The      1991      593      279
2571     Matrix, The      1999      2571      278
260      Star Wars: Episode IV - A New Hope      1977      260      251
480      Jurassic Park      1993      480      238
110      Braveheart      1995      110      237
589      Terminator 2: Judgment Day      1991      589      224
527      Schindler's List      1993      527      220
Time taken: 53.801 seconds, Fetched: 10 row(s)
hive>
```

### Query 2:

```
MapReduce Jobs Launched:
Stage-Stage-3: Map: 1 Reduce: 1 Cumulative CPU: 18.51 sec HDFS Read: 249842
3 HDFS Write: 133719 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 5.98 sec HDFS Read: 147775
HDFS Write: 594 SUCCESS
Total MapReduce CPU Time Spent: 24 seconds 490 msec
OK
318      Shawshank Redemption, The      1994      318      274
356      Forrest Gump      1994      356      249
296      Pulp Fiction      1994      296      244
593      Silence of the Lambs, The      1991      593      225
2571     Matrix, The      1999      2571      222
260      Star Wars: Episode IV - A New Hope      1977      260      201
2959     Fight Club      1999      2959      179
527      Schindler's List      1993      527      175
1196     Star Wars: Episode V - The Empire Strikes Back      1980      1196      168
110      Braveheart      1995      110      166
Time taken: 153.332 seconds, Fetched: 10 row(s)
hive>
```

### Query 3:

```
MapReduce Total cumulative CPU time: 4 seconds 460 msec
Ended Job = job_1634905856693_0009
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 8.37 sec HDFS Read: 2498273
HDFS Write: 16794 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 4.46 sec HDFS Read: 24216 H
DFS Write: 410 SUCCESS
Total MapReduce CPU Time Spent: 12 seconds 830 msec
OK
53      5.0
251     4.869565217391305
515     4.846153846153846
25      4.8076923076923075
30      4.735294117647059
523     4.693333333333333
348     4.672727272727273
171     4.634146341463414
452     4.556930693069307
43      4.552631578947368
Time taken: 47.264 seconds, Fetched: 10 row(s)
hive>
```

### Query 4:

```
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.44 sec HDFS Read: 2496486
HDFS Write: 336 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 3.85 sec HDFS Read: 7828 HD
FS Write: 301 SUCCESS
Total MapReduce CPU Time Spent: 9 seconds 290 msec
OK
0.5     1370
1.0     2811
1.5     1791
2.0     7551
2.5     5550
3.0     20047
3.5     13136
4.0     26818
4.5     8551
5.0     13211
Time taken: 45.514 seconds, Fetched: 10 row(s)
hive>
```

### Query 5:

```
MapReduce Total cumulative CPU time: 4 seconds 350 msec
Ended Job = job_1634905856693_0013
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.69 sec HDFS Read: 2496633
HDFS Write: 336 SUCCESS
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 4.35 sec HDFS Read: 7975 HD
FS Write: 109 SUCCESS
Total MapReduce CPU Time Spent: 10 seconds 40 msec
OK
4.0     26818
Time taken: 44.627 seconds, Fetched: 1 row(s)
hive>
```

## Query 6:

```
Total MapReduce CPU Time Spent: 19 seconds 480 msec
OK
(no genres listed)      47      3.4893617021276597
Action  30635    3.447984331646809
Adventure  24161   3.5086089151939075
Animation  6988    3.6299370349170004
Children  9208     3.412956125108601
Comedy  39053    3.3847207640898267
Crime    16681    3.658293867274144
Documentary 1219   3.797785069729286
Drama   41928    3.6561844113718758
Fantasy 11834    3.4910005070136894
Film-Noir 870      3.920114942528736
Horror   7291     3.258195034974626
IMAX     4145     3.618335343787696
Musical  4138     3.5636781053649105
Mystery  7674     3.632460255407871
Romance  18124    3.5065107040388437
Sci-Fi   17243    3.455721162210752
Thriller 26452    3.4937055799183425
War       4859     3.8082938876312
Western  1930     3.583937823834197
Time taken: 58.389 seconds, Fetched: 20 row(s)
```

## Query 7:

```
Ended Job = job_1635091734327_0011
MapReduce Jobs Launched:
Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 8.96 sec HDFS Read: 2504114 HDFS Write: 377 SUCCESS
Stage-Stage-3: Map: 1 Reduce: 1 Cumulative CPU: 4.23 sec HDFS Read: 8664 HDFS Write: 354 SUCCESS
Total MapReduce CPU Time Spent: 13 seconds 190 msec
OK
NULL (no genres listed) 10
NULL Action 4
NULL Drama 2
NULL Sci-Fi 6
NULL Thriller 5
1902 Action 5
1902 Adventure 5
1902 Fantasy 5
1902 Sci-Fi 5
1903 Crime 2
Time taken: 58.818 seconds, Fetched: 10 row(s)
```