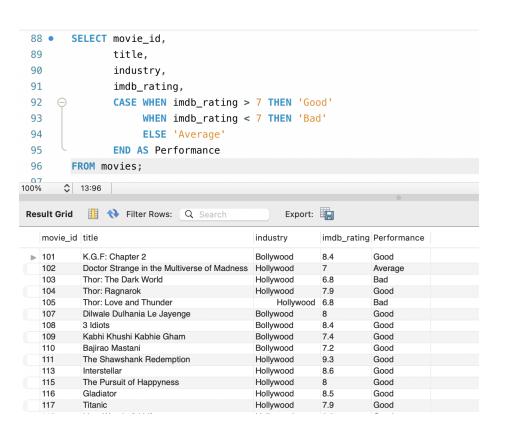
SQL Queries

ROW_NUMBER() vs RANK() vs DENSE_RANK()

```
106 •
        SELECT product_code,
107
           sales_amount,
108
           ROW_NUMBER() OVER
109
                        (PARTITION BY product_code
110
                         ORDER BY sales_amount DESC) as RowNumber,
           RANK() OVER
111
112
                  (PARTITION BY product_code
                  ORDER BY sales_amount DESC) as RankValues,
113
           DENSE_RANK() OVER
114
115
                        (PARTITION BY product_code
116
                         ORDER BY sales_amount DESC) as DenseRankValues
117
        FROM transactions
118
        WHERE product_code IS NOT NULL
         AND product_code IN ('Prod003', 'Prod003', 'Prod049', 'Prod279')
119
         AND sales_amount IN ('250', '833', '204');
120
       $ 1:121
100%
Result Grid 🎚 🛟 Filter Rows: Q Search
                                                Export:
   product_co... | sales_amount | RowNumber | RankValues | DenseRankValues
   Prod049
              833
   Prod049
              833
   Prod279
              833
   Prod279
              833
   Prod279
              833
                         3
   Prod279
   Prod279
              833
                         5
   Prod279
Result Grid
            Filter Rows: Q Search
                                                 Export:
   product_co... sales_amount RowNumber RankValues DenseRankValues
                                             2
   Prod279
              250
   Prod279
              250
                         8
                                    7
                                             2
   Prod279
                         9
                                    7
                                             2
              250
   Prod279
              250
                          10
                                             2
   Prod279
              250
                          11
                                    7
                                             2
   Prod279
              250
                          12
                                             2
                                    7
                                             2
   Prod279
              250
                          13
   Prod279
                                             2
              250
                          14
```

```
98 • SELECT product_code,
 99
           COUNT(CASE WHEN product_code = 'prod279' THEN product_code END) AS PRD1,
           COUNT(CASE WHEN product_code = 'prod278' THEN product_code END) AS PRD2,
100
           COUNT(CASE WHEN product_code = 'prod281' THEN product_code END) AS PRD3
101
102
           FROM transactions
103
           WHERE product_code IN ('prod279', 'prod278', 'prod281')
104
           GROUP BY product_code;
100%
      $ 27:104
Export:
  product_co... PRD1 PRD2 PRD3
 ▶ Prod279
            1477 0
                     0
                1455 0
  Prod278
            0
   Prod281
                     1858
                 0
            0
```



```
68 •
       WITH t AS
69
     ⊖ (
        SELECT DISTINCT title
70
71
        FROM movies
72
        WHERE industry = 'Hollywood'
73
       AND imdb_rating > 6
74
       ),
75
        ry AS
76
     ⊖ (
77
       SELECT DISTINCT release_year
78
        FROM movies
79
        WHERE release_year = '2022'
        AND imdb_rating > 6
80
81
82
        SELECT title, release_year, imdb_rating
83
        FROM movies
        WHERE release_year IN (SELECT release_year FROM ry)
84
        AND title IN (SELECT title FROM t)
85
86
        ORDER BY imdb_rating DESC;
 Result Grid
           Filter Rows: Q Search
                                        Export:
   title
                                release_year imdb_rating
 Doctor Strange in the Multiverse of Madness 2022
 42 •
        SELECT m.movie_id, title, budget, revenue, currency, unit
 43
        FROM movies m
        LEFT JOIN financials f
 44
 45
        ON m.movie_id=f.movie_id;
 46
100%
       $ 26:45
            Filter Rows: Q Search
                                               Export:
Result Grid
```

budget revenue currency unit

INR

USD

USD

USD

USD

INR

INR

INR

INR

USD

12.5

954.8

644.8

854

670

2000

4000

1360

3.5

73.3

200

165

180

250

400

550

390

1.4

25

Billions

Millions

Millions

Millions

Millions

Millions

Millions

Millions

Billions

Millions

movie_id title

K.G.F: Chapter 2

Thor: Ragnarok

Bajirao Mastani

3 Idiots

Thor: The Dark World

Thor: Love and Thunder

Dilwale Dulhania Le Jayenge

Kabhi Khushi Kabhie Gham

The Shawshank Redemption

Doctor Strange in the Multiverse of Madness

▶ 101

102

103

104

105

107

108

109

110

111

