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1  -- Q1: List all directors (no department column exists)
2  SELECT
3      id,
4      name AS director_name
5  FROM directors
6  ORDER BY director_name;
7
8  -- Q2: Popular Movies
9  -- Find the titles of all movies with a popularity score greater than 5
10 SELECT
11     title,
12     popularity
13 FROM movies
14 WHERE popularity > 5
15 ORDER BY popularity DESC;
16
17 -- Q3: Directors in the Directing department with gender = 2
18 SELECT
19     id,
20     name AS director_name
21 FROM directors
22 WHERE department = 'Directing'
23     AND gender = 2;
24
25 -- Q4: Directors with 'Sam' in their name
26 SELECT
27     id,
28     name AS director_name
29 FROM directors
30 WHERE name LIKE '%Sam%'
31 ORDER BY director_name;
32
33 -- Q5: First 10 Movies by Release Date
34 SELECT
35     id,
36     title,
37     release_date
38 FROM movies
39 ORDER BY release_date ASC
40 LIMIT 10;
41
42 -- Q6: 'Star' Movies with High Ratings
43 SELECT
44     id,
45     title,
46     vote_average,
47     release_date
48 FROM movies
49 WHERE title LIKE '%Star%'
50     AND vote_average > 7
51 ORDER BY vote_average DESC, title;
52
53 -- Q7: Movies with Limited Revenue (1995-2000)
54 SELECT
55     id,
56     title,
57     release_date,
58     revenue
59 FROM movies
60 WHERE release_date BETWEEN '1995-01-01' AND '2000-12-31'
61     AND revenue <= 10000000
62 ORDER BY release_date, title;
63
64 -- Q8: Directors with Specific 'uid' Values
65 SELECT DISTINCT
66     d.name AS director_name,
67     m.uid
68 FROM movies m
69 JOIN directors d

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70     ON m.director_id = d.id
71 WHERE m.uid > 7000
72     OR m.uid < 100
73 ORDER BY m.uid;
74
75 -- Q9: Movies with Specific Vote Counts and Vote Average
76 SELECT
77     id,
78     title,
79     vote_count,
80     vote_average
81 FROM movies
82 WHERE vote_count BETWEEN 50 AND 100
83     AND vote_average = 7.0
84 ORDER BY title;
85
86 -- Q10: Directors Named 'John' with Specific uid Values
87 SELECT DISTINCT
88     d.name AS director_name,
89     m.uid
90 FROM movies m
91 JOIN directors d
92     ON m.director_id = d.id
93 WHERE d.name LIKE '%John%'
94     AND m.uid > 5000
95     AND m.uid < 10000
96 ORDER BY d.name, m.uid;
97
98 -- Q11: Movies with Odd uid and Even Vote Count
99 SELECT
100     id,
101     title,
102     uid,
103     vote_count
104 FROM movies
105 WHERE (uid % 2) = 1           -- odd uid
106     AND (vote_count % 2) = 0 -- even vote_count
107     AND vote_count > 500
108 ORDER BY vote_count DESC, title;
109
110 -- Q12: Movies with Specific Ratings or Budgets
111 SELECT
112     id,
113     title,
114     vote_average,
115     vote_count,
116     budget
117 FROM movies
118 WHERE (vote_average BETWEEN 6.0 AND 8.0 AND vote_count = 200)
119     OR (budget > 100000 AND budget < 500000)
120 ORDER BY title;
121
122

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