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Took 3 sec. Last updated by anonymous at July 23 2025, 9:40:07 PM. (outdated)

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Took 2 sec. Last updated by anonymous at July 23 2025, 9:41:48 PM. (outdated)

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Took 3 sec. Last updated by anonymous at July 23 2025, 10:16:36 PM

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```
SELECT m.title, ROUND(AVG(r.rating),4) AS avg_rating
FROM ratings r
JOIN movies m ON r.movie_id = m.movie_id
GROUP BY m.title
ORDER BY avg_rating DESC
LIMIT 10
```



title	avg_rating
Santa with Muscles (1996)	5.0
Entertaining Angels: The Dorothy Day Story (1996)	5.0
They Made Me a Criminal (1939)	5.0
Star Kid (1997)	5.0
Great Day in Harlem, A (1994)	5.0
Saint of Fort Washington, The (1993)	5.0
Someone Else's America (1995)	5.0
Marlene Dietrich: Shadow and Light (1996)	5.0
Aiqing wansui (1994)	5.0
Prefontaine (1997)	5.0

Took 8 sec. Last updated by anonymous at July 23 2025, 10:18:47 PM.

```
%sql
--Find the user who have rated at least 50 movies and identify their favourite movie
```

```
WITH active_users AS (
  SELECT user_id, COUNT(*) AS num_ratings
  FROM ratings
  GROUP BY user_id
  HAVING num_ratings >= 50
),
active_users_top10 AS (
  SELECT user_id
  FROM active_users
  ORDER BY num_ratings DESC
  LIMIT 10
),
user_fav_movies AS (
  SELECT r.user_id, r.movie_id, r.rating
  FROM ratings r
  JOIN active_users_top10 a ON r.user_id = a.user_id
  WHERE r.rating = 5
),
user_fav_movies_with_title AS (
  SELECT ufa.user_id, m.title
  FROM user_fav_movies ufm
  JOIN movies m ON ufm.movie_id = m.movie_id
),
ranked_movies AS (
  SELECT *,
  ROW_NUMBER() OVER (PARTITION BY user_id ORDER BY title) AS rn
  FROM user_fav_movies_with_title
)
SELECT user_id, title AS favourite_movie
FROM ranked_movies
WHERE rn = 1
ORDER BY user_id
```



user_id	favourite_movie
13	2001: A Space Odyssey (1968)
234	12 Angry Men (1957)
276	2001: A Space Odyssey (1968)
303	Ace Ventura: Pet Detective (1994)
393	Apt Pupil (1998)
405	2001: A Space Odyssey (1968)
416	12 Angry Men (1957)
450	Age of Innocence, The (1993)
537	2001: A Space Odyssey (1968)
655	Angel Baby (1995)

Took 9 sec. Last updated by anonymous at July 23 2025, 10:18:55 PM.

```
%sql
--Find all the users who are less than 20 years old

SELECT *
FROM users
WHERE age < 20
LIMIT 10
```



user_id	age	gender	occupation	zip
30	7	M	student	55436
36	19	F	student	93117
52	18	F	student	55105
57	16	M	none	84010
67	17	M	student	60402
68	19	M	student	22904
101	15	M	student	05146
110	19	M	student	77840
142	13	M	other	48118
179	15	M	entertainment	20755

Took 4 sec. Last updated by anonymous at July 23 2025, 10:18:55 PM.

```
%sql
--Find all the users whose occupation is scientist and whose age is between 30 and 40 years old

SELECT *
FROM users
WHERE occupation = 'scientist' AND age BETWEEN 30 AND 40
LIMIT 10
```



user_id	age	gender	occupation	zip
40	38	M	scientist	27514
71	39	M	scientist	98034

74	39	M	scientist	T8H1N
107	39	M	scientist	60466
163	33	M	scientist	27708
272	33	M	scientist	53706
309	40	M	scientist	70802
337	37	M	scientist	10522
430	38	M	scientist	96199
538	31	M	scientist	21010

Took 0 sec. Last updated by anonymous at July 23 2025, 10:16:56 PM.