**CASE STUDY 11**

TABLE: tutorial.oscar\_nominees

1. Write a query to return the name of nominees who got more nominations than ‘Akim Tamiroff’. Solve this using CTE.
2. **WITH CTE AS (SELECT nominee, COUNT(nominee) AS number\_of\_nominees FROM tutorial.oscar\_nominees GROUP BY 1)**

**SELECT nominee FROM CTE WHERE number\_of\_nominees >**

**(SELECT COUNT(nominee) FROM tutorial.oscar\_nominees WHERE nominee = 'Akim Tamiroff')**

1. Write a query to find the nominee name with the second highest number of oscar wins. Solve using subquery.
2. **SELECT nominee FROM**

**(SELECT nominee, DENSE\_RANK() OVER(ORDER BY total\_wins DESC) AS DENSE\_RANK FROM**

**(SELECT nominee, SUM(win) as total\_wins FROM**

**(SELECT \*, CASE WHEN winner = 'true' THEN 1 ELSE 0 END AS win FROM tutorial.oscar\_nominees) X GROUP BY 1 ORDER BY 2 DESC)Y)Z WHERE DENSE\_RANK = 2;**

1. Write a query to create three columns per nominee: a) no. of wins, b) no. of loss, c) total nomination.
2. **SELECT nominee,**

**SUM(CASE WHEN winner = 'true' THEN 1 ELSE 0 END) AS no\_of\_wins ,**

**SUM(CASE WHEN winner = 'false' THEN 1 ELSE 0 END) AS no\_of\_loss,**

**COUNT(\*) AS total\_nominations FROM tutorial.oscar\_nominees GROUP BY nominee;**

1. Write a query to create two columns: a) Win\_rate: Number of wins/total wins, b) Loss\_rate: Number of loss/total wins.
2. **SELECT nominee,**

**SUM(CASE WHEN winner = 'true' THEN 1 ELSE 0 END)\*100/COUNT(\*) AS Win\_rate ,**

**SUM(CASE WHEN winner = 'false' THEN 1 ELSE 0 END)\*100/COUNT(\*) AS Loss\_rate FROM tutorial.oscar\_nominees GROUP BY nominee;**

1. Write a query to return all the records of the nominees who have lost but won at least once.
2. **SELECT \* FROM tutorial.oscar\_nominees**

**WHERE nominee IN (**

**SELECT nominee FROM tutorial.oscar\_nominees**

**GROUP BY nominee**

**HAVING SUM(CASE WHEN winner = TRUE THEN 1 ELSE 0 END) > 0 AND**

**SUM(CASE WHEN winner = FALSE THEN 1 ELSE 0 END) > 0 );**

1. Write a query to find the nominees who are nominated for both ‘actor in a leading role’ and ‘actor in supporting role’.
2. **WITH CTE AS**

**(SELECT \* FROM tutorial.oscar\_nominees WHERE category IN ('actor in a leading role','actor in a supporting role')),**

**CTE\_1 AS**

**(SELECT nominee, COUNT(nominee) FROM CTE GROUP BY 1 HAVING COUNT(movie) = 2)**

**SELECT nominee FROM CTE\_1;**

**Write a query to find the movie which won more than average number of wins per winning movie.**

1. Write a query to find the movie which won more than average number of wins per winning movie.
2. **WITH AVG\_WIN AS**

**(SELECT movie,**

**AVG(CASE WHEN winner = 'true' THEN 1 ELSE 0 END) AS AVG\_WINS FROM tutorial.oscar\_nominees GROUP BY movie),**

**NO\_OF\_WIN AS**

**(SELECT movie,**

**SUM(CASE WHEN winner = 'true' THEN 1 ELSE 0 END) AS NO\_OF\_WINS FROM tutorial.oscar\_nominees GROUP BY movie)**

**SELECT NO\_OF\_WIN.movie FROM AVG\_WIN JOIN NO\_OF\_WIN ON AVG\_WIN.movie = NO\_OF\_WIN.movie WHERE NO\_OF\_WINS > AVG\_WINS ;**

1. Write a query to return the year which have more winners than year 1970.
2. **WITH CTE AS**

**(SELECT \*, CASE WHEN winner = 'true' THEN 1 ELSE 0 END AS win FROM tutorial.oscar\_nominees),**

**CTE\_1 AS**

**(SELECT year, SUM(win) AS total FROM CTE GROUP BY 1 ORDER by 2 DESC)**

**SELECT YEAR FROM CTE\_1 WHERE total >**

**(SELECT SUM(win) FROM CTE WHERE year = '1970');**

1. Write a query to return all the movies which have won oscars both in the actor and actress category.
2. **WITH CTE AS**

**(SELECT \*, CASE WHEN winner = 'true' THEN 1 ELSE 0 END AS win FROM tutorial.oscar\_nominees),**

**CTE\_1 AS**

**(SELECT \* FROM CTE WHERE win = 1),**

**CTE\_2 AS**

**(SELECT \* FROM CTE\_1 WHERE category IN ('actor','actress')),**

**CTE\_3 AS**

**(SELECT movie, COUNT(movie) FROM CTE\_2 GROUP BY 1 HAVING COUNT(movie) = 2)**

**SELECT movie FROM CTE\_3;**

1. Write a query to return the movie name which did not win a single oscar.
2. **WITH CTE AS**

**(SELECT \*, CASE WHEN winner = 'true' THEN 1 ELSE 0 END AS win FROM tutorial.oscar\_nominees)**

**SELECT movie, SUM(win) as total\_wins FROM CTE GROUP BY 1 HAVING SUM(win) = 0;**