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| 1 | How many users contributed tags? |
| 2 | How many movies had exactly 3 genres associated with them? (Comedy|Drama|Romance would be one example.) |
| 3 | How many users gave ratings that are not whole numbers (e.g. 3.5, 4.5)? |
| 4 | List the movies whose title (and year) appear more than once in the movielens\_movies table. |
| 5 | How many movies were released between 1985 and 1995 inclusive? |
| 6 | Which movies in the movielens\_movies table did not receive a rating? Write a query to list five of these movies. |
| 7 | How many users tagged three or more different movies? |
| 8 | What are the names of the five movies that had the most ratings? Show the title and number of ratings in two columns. |
| 9 | What are the five tags that had the most distinct users contributing them? Show the tag and number of users in two columns. |
| 10 | What are the three highest rated movies by average rating where one of the genres is ‘Mystery’ and  the number of ratings for the movie is at least five? Show the movie name and average rating in two columns. |
| 11 | Find the five genres with the most distinct tags. Show the genre and tag count in two columns. For example, a movie having two genres Action|Thriller will have its tags contribute to each of the Action and Thriller genres.  Hint: see example B in <https://docs.microsoft.com/en-us/sql/t-sql/functions/string-split-transact-sql?view=sql-server-2017> to see how to split the genres field. |
| 12 | Let us attempt to find the highest rated movies, but not simply by computing the average rating, since that would favour movies with a small number of ratings.  We will make use of the following formula.  Weighted rating of a movie = (V\*R+10\*C)/(V+10), where   * V = number of votes for the movie * R = average (mean) rating for the movie * C = the average rating across all movies   This formula represents the equivalent of adding 10 additional ratings to each movie, each equal to the average rating across all movies, then finding the resulting average. Hence a movie with a single rating will not have too high a weighted rating.  Find the names and ratings of the five highest rated movies according to the formula above having the tag ‘funny’. |