**SQL Homework**

Using the BoxOffice database write  the following queries:

1. Get the top ten popular movies where the original language was English.
2. Calculate the number of movies that were released by year.
3. Calculate the number of movies that were released by month.
4. Create a new variable based on runtime, where the movies are categorized into the following categories: 0 = Unknown, 1-50 = Short, 51-120 Average, >120 Long.
5. For each year, calculate :
   1. The dense rank, based on the revenue (descending order)
   2. The yearly revenue's sum of the movies
   3. The percent of the revenue with respect to the yearly annual revenue (b).
6. For each movie, create a table that contains the following features:
   1. Count the number of female actors in the movie.
   2. Count the number of male actors in the movie.
   3. Calculate the ratio of male vs women (female count / male count) \*
7. For each of the following languages: [en, fr, es, de, ru, it, ja]:
   1. Create a column and set it to 1 if the movie has a **translation**\*\*to the language and zero if not.
8. For each of the crew departments, create a column and count the total number of individuals for each movie. Create a view with this query

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\* Take into account that if the denominator (male\_cnt) is zero you will get an "arithmetic overflow" error!

\*\* Not only the original language