

# IMDB Analysis

S. no	Questions	Query
1	<p>Segment the movies based on the below criteria :</p> <p>Revenue greater than or equal to 300 million: Blockbuster</p> <p>Revenue between 200 and 299.99 million: Superhit</p> <p>Revenue between 100 and 199.99 million: Hit</p> <p>Else: Normal</p> <p>How many movies are 'Superhit' in the year 2014?</p>	<pre> SELECT result,       Count(title) AS number_of_movies FROM  (SELECT title,               genre,               revenue_millions,               year,               CASE                 WHEN revenue_millions &gt;= 300 THEN 'Blockbuster'                 WHEN revenue_millions BETWEEN 200 AND 299.99 THEN 'Super Hit'                 WHEN revenue_millions BETWEEN 100 AND 199.99 THEN 'Hit'                 ELSE 'Normal'               END AS result         FROM  imdb_movies) A WHERE  year = 2014 GROUP BY result </pre>
2	<p>Segment the movies based on the below criteria</p> <p>Revenue greater than or equal to 300 million: Blockbuster</p> <p>Revenue between 200 and 299.99 million: Superhit</p> <p>Revenue between 100 and 199.99 million: Hit</p> <p>Else: Normal</p> <p>What is the total revenue of the Blockbuster movies in the year 2015?</p>	<pre> SELECT result,       Sum(revenue_millions) AS tot_revenue FROM  (SELECT title,               genre,               revenue_millions,               year,               CASE                 WHEN revenue_millions &gt;= 300 THEN 'Blockbuster'                 WHEN revenue_millions BETWEEN 200 AND 299.99 THEN 'Super Hit'                 WHEN revenue_millions BETWEEN 100 AND 199.99 THEN 'Hit'                 ELSE 'Normal'               END AS result         FROM  imdb_movies) A WHERE  year = 2015 GROUP BY result </pre>

3	Compute total revenue by year and genre for all the movies with ratings less than 7. What is the total revenue of movies with ratings less than 7 in the year 2016 for 'Drama'?	<pre> SELECT year,        genre,        SUM(IF(rating &lt; 7, revenue_millions, 0)) FROM   imdb_movies WHERE  year = 2016        AND genre = 'Drama' GROUP BY year,        genre </pre>
4	What is the revenue contribution of 'The Avengers' in the genre 'Action' in the year 2012?	<pre> SELECT title,        revenue_millions * 100 / (SELECT Sum(revenue_millions)                                 FROM   imdb_movies                                 WHERE  genre = 'Action'                                 AND year = 2012) AS perc_revenue FROM   imdb_movies WHERE  title = 'The Avengers' </pre>
5	What is the revenue contribution of the genre 'Comedy' of total revenue in the year 2016?	<pre> SELECT genre,        Sum(revenue_millions) * 100 / (SELECT Sum(revenue_millions)                                 FROM   imdb_movies                                 WHERE  year = 2016) AS perc_revenue FROM   imdb_movies WHERE  genre = 'Comedy'        AND year = 2016 </pre>
6	Which genre has the highest revenue collection for the last 3 years? Enter its revenue.	<pre> SELECT Max(A.tot_revenue) FROM   (SELECT genre,               Sum(revenue_millions) AS tot_revenue         FROM   imdb_movies         WHERE  year IN ( 2014, 2015, 2016 )         GROUP BY genre) AS A </pre>
7	Find out the the director who has highest average rating of his/her movies. Enter the rating.	<pre> SELECT Max(A.avg_rating) FROM   (SELECT director,               Avg(rating) AS avg_rating         FROM   imdb_movies         GROUP BY director) AS A </pre>
8	How many movies have revenue greater than highest movie revenue of the 'Adventure' genre?	<pre> SELECT Count(*) FROM   imdb_movies WHERE  revenue_millions &gt; (SELECT Max(revenue_millions)                           FROM   imdb_movies                           WHERE  genre = 'Adventure') </pre>

	9	What is the minimum revenue corresponding to a movie such that its rating is higher than highest movie rating of the year 2015 and its revenue is greater than highest movie revenue of the 'Comedy' genre?	<pre> SELECT Min(revenue_millions) FROM imdb_movies WHERE rating &gt; (SELECT Max(rating)                 FROM imdb_movies                 WHERE year = 2015) AND revenue_millions &gt; (SELECT Max(revenue_millions)                         FROM imdb_movies                         WHERE genre = 'Comedy') </pre>
	10	How many movies contribute more than 10% of revenue to the total revenue of all movies in a year?	<pre> SELECT Count(*) FROM (SELECT title,              ( revenue_millions * 100 / tot_revenue ) AS perc_revenue       FROM imdb_movies A       INNER JOIN (SELECT year,                         Sum(revenue_millions) AS tot_revenue                   FROM imdb_movies                   GROUP BY year) b       ON A.year = b.year       WHERE ( revenue_millions * 100 / tot_revenue ) &gt; 10) C </pre>