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## Final Project Report - SQL Queries

One Table Query				
Description:	Find the movie name and runtime of any movie with a runtime greater than 130 minutes.			
Oracle Code:	SELECT mName,Runtime FROM Movie WHERE Runtime>130;			
Screenshot:	Table altered.  SQL> SELECT mName,Runtime 2 FROM Movie 3 WHERE Runtime>130;  MNAME RUNTIME Black Panther 135 Avengers: Endgame 182 12 Monkeys 131 Rosemarys Baby 136 Pulp Fiction 153  SQL>			
Two Table Query				
Description:	Find the movie name and production studio of each horror movie (Movie, Genre)			
Oracle Code:	SELECT genre.mName,ProdStudio FROM movie,genre WHERE gName='Horror' and movie.mName=genre.mName;			
Screenshot:	MNAME PRODSTUDIO  Us Universal Pictures Rosemarys Baby Paramount Pictures Paranormal Activity Paramount Pictures Psycho Paramount Pictures			
Two Table Query				
Description:	Find the movie name and Tomatometer score for each movie produced by Marvel Studios (Reviews, Movie)			
Oracle Code:	SELECT tomatometer, movie.mName FROM movie,reviews WHERE reviews.mName=movie.mName			

	and prodstudio='Marvel Studios';			
Screenshot:	TOMATOMETER MNAME  97 Black Panther  94 Avengers: Endgame			
Three Table Query				
Description:	What are the names of the movies and directors whose highest rated movie was a Horror movie?			
Oracle Code:	SELECT Movie.mName, Director.dName FROM Genre, Movie, Director Where Movie.mName=Director.dHighRated AND Genre.mName=Director.dHighRated AND gName='Horror';			
Screenshot:	SQL> Select Movie.mName, Director.dName 2 From Genre, Movie, Director 3 Where Movie.mName=Director.dHighRated AND Genre.mName=Director.dHighRated 4 AND gName='Horror';  MNAME DNAME			
Three Table Query				
Three Table Query  Description:	List the directors and their movies who were also the writers of the movies they directed.			
	movies they directed.			
Description:	movies they directed.  SELECT Directed.dName, Movie.mName FROM Wrote, Movie, Directed WHERE Directed.dName=Wrote.wName AND			

Description:	Retrieve the names of actors, a movie they were in, the studio they worked for on that movie, and the Tomatometer score of that movie.					
Oracle Code:	SELECT actors.aName,actedin.mName,sname,tomatometer FROM Actors,ActedIn,ContractedWith,Reviews WHERE (actors.aname=actedin.aname) and (actedin.mname=reviews.mname) and (actors.aname=contractedwith.aname);					
Screenshot:	SQL> SELECT actors.aName,actedin.mName,sname,tomatometer 2 FROM Actors,ActedIn,ContractedWith,Reviews 3 WHERE (actors.aname=actedin.aname) and (actedin.mname=reviews.mname) and (actors.aname=contractedwith.aname);					
	ANAME MNAME SNAME TOMATOMETER					
	Chadwick Bozeman Chadwick Bozeman Robert Downey Jr Lupita Nyongo Lupita Nyongo Lupita Nyongo Lupita Nyongo Tom Hanks Judy Garland Michael Douglas Bruce Willis W ANAME Brad Pitt Morgan Freeman		Marvel Studios Marvel Studios Marvel Studios Marvel Studios Universal Pictures Universal Pictures Marvel Studios Disney/Pixar Warner Bros Pictures Paramount Atlas Entertainment SNAME  Atlas Entertainment New Line Cinema Paramount Pictures Miramax Films Buena Vista Warner Bros Pictures	94 97 94 97 93 97 93 97 98 75 90 TOMATOMETER 		
Set Theory Query						
Description:	(Union) List the production studio and name of movies produced by either Marvel Studios or Universal Pictures					
Oracle Code:						

Screenshot:	MNAME 	PRODSTUDIO Marvel Studios Marvel Studios Universal Pict			
Set Theory Query					
Description:	(Intersect) Find the movi of audience reviews; for least 50000 audience re	movies who have a			
Oracle Code:	SELECT reviews.mName, audNumReviews, tNumReviews FROM reviews WHERE tNumReviews>=100 INTERSECT SELECT reviews.mName, audNumReviews,tNumReviews FROM reviews WHERE audNumReviews>=50000;				
	MNAME AUDNUMREVIEWS TNUMREVIEWS				
Screenshot:	MNAME	AUDNUMREVIEWS	TNUMREVIEWS		
Screenshot:	MNAME Avengers: Endgame Black Panther Paranormal Activity The Blind Side The Wizard of Oz Toy Story 4	69079 88211	505 495 204		
Screenshot:  Grouping Query	Avengers: Endgame Black Panther Paranormal Activity The Blind Side The Wizard of Oz	69079 88211 273879 431747 876161	505 495 204 201 116		
	Avengers: Endgame Black Panther Paranormal Activity The Blind Side The Wizard of Oz Toy Story 4	69079 88211 273879 431747 876161 53145	505 495 204 201 116 429		

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SELECT gName,AVG(Tomatometer)
FROM genre,reviews
WHERE genre.mname=reviews.mname
GROUP BY gname;
            Screenshot:
                                           AVG(TOMATOMETER)
                                  GNAME
                                  Animation
                                  Animation
Comedy
Action & Adventure
Horror
                                                                  95.5
91.75
84.25
93.6666667
                                  Horror 84.25
Drama 84.25
Kids & Family 93.6666667
96.3333333
Grouping Query
            Description:
                                Group production studios by their movie's average tomatometer rating.
          Oracle Code:
                                SELECT ProdStudio, AVG (Tomatometer)
                                FROM Movie, Reviews
                                WHERE movie.mname=reviews.mname
                                GROUP BY ProdStudio;
                                SQL>
SQL>
SQL> SELECT ProdStudio,AVG(Tomatometer)
2 FROM Movie,Reviews
3 WHERE movie.mname=reviews.mname
4 GROUP BY ProdStudio;
            Screenshot:
                                 PRODSTUDIO
                                                        AVG(TOMATOMETER)
                                Universal Pictures
                                 Buena Vista
                                  Marvel Studios
                                 Atlas Entertainment
                                 New Line Cinema
                                 Miramax Films
                                Disney/Pixar
                                 Paramount Pictures
                                 Warner Bros Pictures
                                                                         82
42
                                  1GM
                                11 rows selected.
```