PROJECT - 1

- IN THIS PROJECT WE WILL RETRIEVE DATA USING SIMPLE SQL QUERIES.

- THE DATASET USED IN THIS PROJECT CONTAINS MOVIES DATA WITH FIELDS LIKE – FILM NAME, GENRE, STUDIO, AUDIENCE SCORE, PROFIT, RELEASE YEAR ETC.

- FIRST WE WILL CREATE AND GIVE STRUCTURE TO OUR TABLE; THEN WE WILL IMPORT THE DATA FROM EXISTING CSV FILE.

- SOME OF THE COMMANDS USED IN THIS PROJECT ARE – GROUP BY, ORDER BY, LIMIT, WHERE, CROSSTAB… ETC.

IMPORTING DATA FROM LOCAL CSV FILE TO OUR TABLE AND OVERVIEWING IT.

	film_name character varying (50)	genre character varying (15)	studio character varying (25)	audience_score integer	profit double precision	rotten_tomatoes integer	gross double precision	release_year smallint
1	27 Dresses	Comedy	Fox	71	5.3436218	40	160.308654	2008
2	(500) Days of Summer	Comedy	Fox	81	8.096	87	60.72	2009
3	A Dangerous Method	Drama	Independent	89	0.44864475	79	8.972895	2011
4	A Serious Man	Drama	Universal	64	4.382857143	89	30.68	2009
5	Across the Universe	Romance	Independent	84	0.652603178	54	29.367143	2007

Q1 : GENRE WHICH IS MOST LOVED BY THE AUDIENCE?
❑ GROUPING DATA BASED ON GENRES AND THEN FINDING THE AVERAGE OF AUDIENCE_SCORE & ROTTEN_TOMATOES THEN SORTING THEM IN DESCENDING ORDER OF AUDIENCE SCORE.

	genre character varying (15)	audience_avg numeric (10,2)	rotten_tomatoes_avg numeric (10,2)
1	Fantasy	81.00	73.00
2	Animation	76.33	80.33
3	Drama	67.23	51.54
4	Romance	66.08	45.69
5	Comedy	62.11	45.13
6	Action	45.00	11.00

Q2 : WHICH SUDIO IS MOST PROFITABLE ACROSS THE YEARS?

❑ CALCULATING AND ORDERING THE SUM OF PROFIT AND GROUPING THE DATA BY STUDIOS WHILE REMOVING INAPPROPRIATE DATA (INDEPENDENT STUDIO FILMS)

	studio character varying (25)	sum_of_profit numeric (10,2)
1	Disney	44.44
2	Warner Bros.	38.52
3	Summit	31.89
4	Fox	27.07
5	Universal	26.62
6	Sony	19.35
7	Paramount	10.38
8	20th Century Fox	5.06
9	The Weinstein Company	3.66
10	Lionsgate	3.61
11	CBS	2.20
12	New Line	2.07

SIMILARLY CHECKING THE TOP 5 PROFITABLE MOVIES MADE INDEPENDENTLY

	film_name character varying (50)	profit double precision
1	Fireproof	66.934
2	Waitress	11.0897415
3	Twilight: Breaking Dawn	6.383363636
4	The Ugly Truth	5.402631579
5	P.S. I Love You	5.103116833

YEAR WISE PROFIT OF ALL THE STUDIOS (EXCEPT INDEPENDENT) ?
❑ WITH THE HELP OF CROSSTAB WE WILL GET THE REQUIRED OUTPUT

	studio character varying (25) 🔒	year_2007 numeric (10,2) 🔒	year_2008 numeric (10,2) 🔒	year_2009 numeric (10,2) 🔒	year_2010 numeric (10,2) 🔒	year_2011 numeric (10,2) 🔒
1	20th Century Fox	5.06	[null]	[null]	[null]	[null]
2	CBS	2.20	[null]	[null]	[null]	[null]
3	Disney	1.37	4.01	7.87	5.39	25.81
4	Fox	15.36	3.62	8.10	[null]	[null]
5	Lionsgate	2.37	1.25	[null]	[null]	[null]
6	New Line	2.07	[null]	[null]	[null]	[null]
7	Paramount	3.21	2.44	2.13	2.60	[null]
8	Sony	6.00	8.74	4.60	[null]	[null]
9	Summit	11.56	6.13	14.20	[null]	[null]
10	The Weinstein Company	1.09	1.75	0.83	[null]	[null]
11	Universal	9.23	1.72	9.03	6.64	[null]
12	Warner Bros.	11.03	2.54	5.63	10.95	8.38