INF10002 Database Analysis and Design
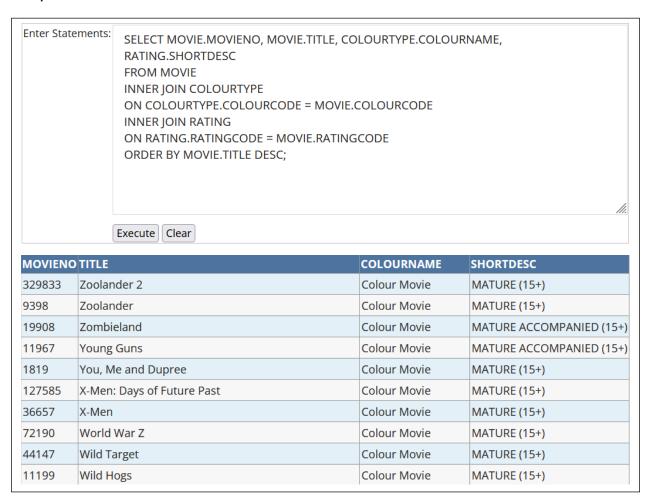
Task 4 – Credit Submission

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Step 1

Enter Statements:

```
SELECT MOVIE.MOVIENO, MOVIE.TITLE, COLOURTYPE.COLOURNAME,
RATING.SHORTDESC
FROM MOVIE
INNER JOIN COLOURTYPE
ON COLOURTYPE.COLOURCODE = MOVIE.COLOURCODE
INNER JOIN RATING
ON RATING.RATINGCODE = MOVIE.RATINGCODE
ORDER BY MOVIE.TITLE DESC;
```

Execute   Clear

MOVIENO	TITLE	COLOURNAME	SHORTDESC
329833	Zoolander 2	Colour Movie	MATURE (15+)
9398	Zoolander	Colour Movie	MATURE (15+)
19908	Zombieland	Colour Movie	MATURE ACCOMPANIED (15+)
11967	Young Guns	Colour Movie	MATURE ACCOMPANIED (15+)
1819	You, Me and Dupree	Colour Movie	MATURE (15+)
127585	X-Men: Days of Future Past	Colour Movie	MATURE (15+)
36657	X-Men	Colour Movie	MATURE (15+)
72190	World War Z	Colour Movie	MATURE (15+)
44147	Wild Target	Colour Movie	MATURE (15+)
11199	Wild Hogs	Colour Movie	MATURE (15+)

Step 2

Enter Statements:

```
SELECT CASTING8117.CASTID, CASTING8117.ACTORNO, CASTING8117.MOVIENO,
ACTOR8117.FULLNAME, MOVIE8117.TITLE, MOVIE8117.RELYEAR
FROM CASTING8117
INNER JOIN ACTOR8117
ON ACTOR8117.ACTORNO = CASTING8117.ACTORNO
INNER JOIN MOVIE8117
ON MOVIE8117.MOVIENO = CASTING8117.MOVIENO
ORDER BY ACTOR8117.FULLNAME DESC;
```
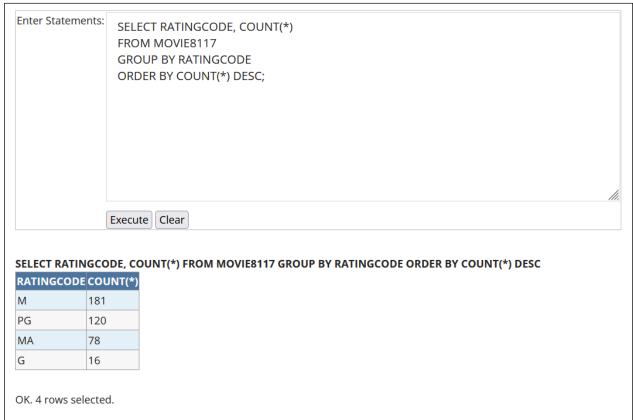
[Execute] [Clear]

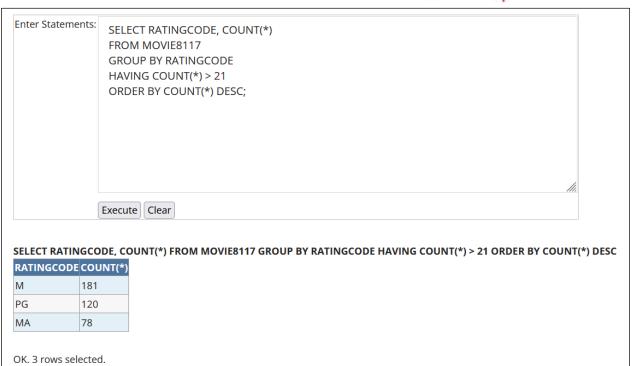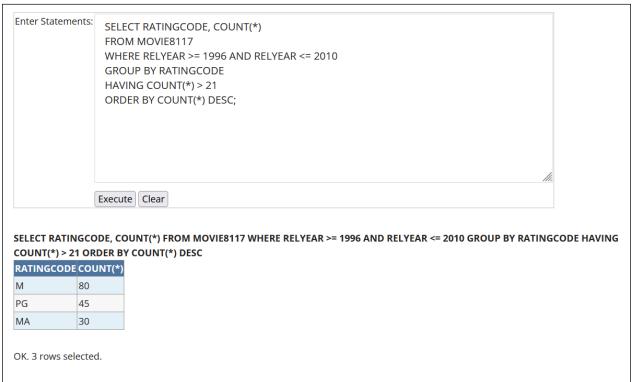| CASTID	ACTORNO	MOVIENO	FULLNAME	TITLE	RELYEAR
3286	1059597	338967	Zoey Deutch	Zombieland: Double Tap	2019
2630	1059597	371638	Zoey Deutch	The Disaster Artist	2017
3109	1059597	203739	Zoey Deutch	Vampire Academy	2014
2610	1059597	356305	Zoey Deutch	Why Him?	2016
2668	1059597	397837	Zoey Deutch	Before I Fall	2017
2652	1059597	384677	Zoey Deutch	Set It Up	2018
3266	8691	299534	Zoe Saldana	Avengers: Endgame	2019
484	8691	19995	Zoe Saldana	Avatar	2009
958	8691	22	Zoe Saldana	Pirates of the Caribbean: The Curse of the Black Pearl	2003
2482	8691	283995	Zoe Saldana	Guardians of the Galaxy Vol. 2	2017

Step 3

Enter Statements:

```
SELECT RATINGCODE, COUNT(*)
FROM MOVIE8117
GROUP BY RATINGCODE
ORDER BY COUNT(*) DESC;
```

[Execute] [Clear]

SELECT RATINGCODE, COUNT(*) FROM MOVIE8117 GROUP BY RATINGCODE ORDER BY COUNT(*) DESC

RATINGCODE	COUNT(*)
M	181
PG	120
MA	78
G	16

OK. 4 rows selected.

Step 4

Enter Statements:

```
SELECT RATINGCODE, COUNT(*)
FROM MOVIE8117
GROUP BY RATINGCODE
HAVING COUNT(*) > 21
ORDER BY COUNT(*) DESC;
```

Execute   Clear

SELECT RATINGCODE, COUNT(*) FROM MOVIE8117 GROUP BY RATINGCODE HAVING COUNT(*) > 21 ORDER BY COUNT(*) DESC

RATINGCODE	COUNT(*)
M	181
PG	120
MA	78

OK. 3 rows selected.

Step 5

Enter Statements:

```
SELECT RATINGCODE, COUNT(*)
FROM MOVIE8117
WHERE RELYEAR >= 1996 AND RELYEAR <= 2010
GROUP BY RATINGCODE
HAVING COUNT(*) > 21
ORDER BY COUNT(*) DESC;
```

[Execute] [Clear]

SELECT RATINGCODE, COUNT(*) FROM MOVIE8117 WHERE RELYEAR >= 1996 AND RELYEAR <= 2010 GROUP BY RATINGCODE HAVING COUNT(*) > 21 ORDER BY COUNT(*) DESC

RATINGCODE	COUNT(*)
M	80
PG	45
MA	30

OK. 3 rows selected.

Step 6

Enter Statements:

```
SELECT ACTOR8117.FULLNAME, ACTOR8117.GENDER, COUNT(CASTING8117.MOVIENO)
AS NUMBER_OF_MOVIE
FROM CASTING8117
INNER JOIN ACTOR8117
ON ACTOR8117.ACTORNO = CASTING8117.ACTORNO
GROUP BY ACTOR8117.FULLNAME, ACTOR8117.GENDER
ORDER BY ACTOR8117.FULLNAME DESC;
```

Execute   Clear

FULLNAME	GENDER	NUMBER_OF_MOVIE
Zoey Deutch	F	6
Zoe Saldana	F	9
Zoe Kazan	F	3
Zeljko Ivanek	M	5
Zazie Beetz	F	1
Zach Woods	M	3
Zach Galifianakis	M	3
Zac Efron	M	4
Woody Harrelson	M	8
Winona Ryder	F	4
Willow Shields	F	4
Willie Garson	M	3
William Sadler	M	3
William Melling	M	5
William Hurt	M	4

Step 7

Enter Statements:

```
SELECT ACTOR8117.FULLNAME, MOVIE8117.RATINGCODE,
COUNT(CASTING8117.MOVIENO) AS NUMBER_OF_MOVIE
FROM CASTING8117
INNER JOIN ACTOR8117
ON ACTOR8117.ACTORNO = CASTING8117.ACTORNO
INNER JOIN MOVIE8117
ON MOVIE8117.MOVIENO = CASTING8117.MOVIENO
GROUP BY ACTOR8117.FULLNAME, MOVIE8117.RATINGCODE
ORDER BY ACTOR8117.FULLNAME, RATINGCODE;
```

[Execute] [Clear]

FULLNAME	RATINGCODE	NUMBER_OF_MOVIE
Aaron Himelstein	M	3
Aaron Himelstein	MA	1
Abigail Breslin	M	3
Abigail Breslin	PG	1
Adam Devine	M	5
Adam Devine	PG	1
Adam Garcia	M	1
Adam Garcia	PG	1
Adam Sandler	G	1
Adam Sandler	M	3
Adrian Rawlins	M	2
Adrian Rawlins	PG	5
Afshan Azad	M	2
Afshan Azad	PG	3
Al Pacino	MA	2

Step 8

Enter Statements:
```
SELECT STATE, GENDER, SUM(SALESTHISYEAR)
FROM CUSTOMER8117
WHERE RATING = 1 OR RATING = 2 OR RATING = 3
GROUP BY STATE, GENDER
ORDER BY STATE, GENDER;
```

Execute   Clear

STATE	GENDER	SUM(SALESTHISYEAR)
New South Wales	F	899
New South Wales	M	3386
South Australia	F	2430
Tasmania	F	1312
Tasmania	M	229
Victoria	F	6695
Victoria	M	7001
Western Australia	F	11247
Western Australia	M	3169