



# Database Analysis & Design

## INF10002

### HED1/OUA1 2018

## Task 3 – Credit Submission

Student Number: Pham The Viet

Student Name: 103436970

### Credit 3a

Paste your screen capture(s) for this task here.

Enter Statements:

```

SELECT 103436970 AS STUID, MOVIE6970.TITLE, MOVIE6970.RELYEAR,
MOVIE6970.RATINGCODE, RATING6970.SHORTDESC, COLOURTYPE6970.COLOURNAME
FROM MOVIE6970
INNER JOIN RATING6970 ON MOVIE6970.RATINGCODE=RATING6970.RATINGCODE
INNER JOIN COLOURTYPE6970 ON
MOVIE6970.COLOURCODE=COLOURTYPE6970.COLOURCODE
WHERE MOVIE6970.RUNTIME>160 AND ( MOVIE6970.RATINGCODE='M' OR
MOVIE6970.RATINGCODE='MA')
Order BY MOVIE6970.MOVIEENO ASC;

```

Execute
Clear

**SELECT 103436970 AS STUID, MOVIE6970.TITLE, MOVIE6970.RELYEAR, MOVIE6970.RATINGCODE, RATING6970.SHORTDESC, COLOURTYPE6970.COLOURNAME FROM MOVIE6970 INNER JOIN RATING6970 ON MOVIE6970.RATINGCODE=RATING6970.RATINGCODE INNER JOIN COLOURTYPE6970 ON MOVIE6970.COLOURCODE=COLOURTYPE6970.COLOURCODE WHERE MOVIE6970.RUNTIME>160 AND ( MOVIE6970.RATINGCODE='M' OR MOVIE6970.RATINGCODE='MA') Order BY MOVIE6970.MOVIEENO ASC**

STUID	TITLE	RELYEAR	RATINGCODE	SHORTDESC	COLOURNAME
103436970	The Lord of the Rings: The Fellowship of the Ring	2001	M	MATURE (15+)	Colour Movie
103436970	The Lord of the Rings: The Two Towers	2002	M	MATURE (15+)	Colour Movie
103436970	The Lord of the Rings: The Return of the King	2003	M	MATURE (15+)	Colour Movie
103436970	Schindler's List	1993	M	MATURE (15+)	Black & White Movie
103436970	Titanic	1997	M	MATURE (15+)	Colour Movie
103436970	Pearl Harbor	2001	M	MATURE (15+)	Colour Movie
103436970	Saving Private Ryan	1998	M	MATURE (15+)	Colour Movie
103436970	The Aviator	2004	M	MATURE (15+)	Colour Movie
103436970	Hamlet	1996	M	MATURE (15+)	Colour Movie
103436970	Avatar	2009	M	MATURE (15+)	Colour Movie
103436970	The Dark Knight Rises	2012	M	MATURE (15+)	Colour Movie
103436970	Django Unchained	2012	MA	MATURE ACCOMPANIED (15+)	Colour Movie
103436970	Cloud Atlas	2012	MA	MATURE ACCOMPANIED (15+)	Colour Movie
103436970	Boyhood	2014	M	MATURE (15+)	Colour Movie
103436970	Interstellar	2014	M	MATURE (15+)	Colour Movie
103436970	Blade Runner 2049	2017	MA	MATURE ACCOMPANIED (15+)	Colour Movie
103436970	The Irishman	2019	MA	MATURE ACCOMPANIED (15+)	Colour Movie
103436970	Once Upon a Time... in Hollywood	2019	MA	MATURE ACCOMPANIED (15+)	Colour Movie

**Credit 3b**

Paste your screen capture(s) for this task here.

```
SELECT 103436970 AS STUID, MOVIE6970.MOVIEENO, MOVIE6970.TITLE, MOVIE6970.RUNTIME,
MOVIE6970.RATINGCODE, RATING6970.SHORTDESC, MOVIE6970.TMDB_SCORE FROM MOVIE6970
```

```
INNER JOIN RATING6970 ON MOVIE6970.RATINGCODE=RATING6970.RATINGCODE
```

```
WHERE ((MOVIE6970.RATINGCODE='PG' AND RUNTIME BETWEEN 120 AND 131) OR
(MOVIE6970.RATINGCODE='M' AND RUNTIME<95) OR (MOVIE6970.RATINGCODE='MA' AND RUNTIME
BETWEEN 122 AND 165) OR (MOVIE6970.RATINGCODE='G' AND RUNTIME>=198)) AND
TMDB_SCORE<=5.8
```

```
ORDER BY MOVIEENO ASC;
```

Enter Statements:

```
SELECT 103436970 AS STUID, MOVIE6970.MOVIEENO, MOVIE6970.TITLE,
MOVIE6970.RUNTIME, MOVIE6970.RATINGCODE, RATING6970.SHORTDESC,
MOVIE6970.TMDB_SCORE FROM MOVIE6970
INNER JOIN RATING6970 ON MOVIE6970.RATINGCODE=RATING6970.RATINGCODE
WHERE ((MOVIE6970.RATINGCODE='PG' AND RUNTIME BETWEEN 120 AND 131)
OR (MOVIE6970.RATINGCODE='M' AND RUNTIME<95) OR (MOVIE6970.RATINGCODE='MA'
AND RUNTIME BETWEEN 122 AND 165) OR (MOVIE6970.RATINGCODE='G' AND
RUNTIME>=198)) AND TMDB_SCORE<=5.8
ORDER BY MOVIEENO ASC;
```

Execute Clear

```
SELECT 103436970 AS STUID, MOVIE6970.MOVIEENO, MOVIE6970.TITLE, MOVIE6970.RUNTIME, MOVIE6970.RATINGCODE,
RATING6970.SHORTDESC, MOVIE6970.TMDB_SCORE FROM MOVIE6970 INNER JOIN RATING6970 ON
MOVIE6970.RATINGCODE=RATING6970.RATINGCODE WHERE ((MOVIE6970.RATINGCODE='PG' AND RUNTIME BETWEEN 120 AND 131) OR
(MOVIE6970.RATINGCODE='M' AND RUNTIME<95) OR (MOVIE6970.RATINGCODE='MA' AND RUNTIME BETWEEN 122 AND 165) OR
(MOVIE6970.RATINGCODE='G' AND RUNTIME>=198)) AND TMDB_SCORE<=5.8 ORDER BY MOVIEENO ASC
```

STUID	MOVIEENO	TITLE	RUNTIME	RATINGCODE	SHORTDESC	TMDB_SCORE
103436970	2157	Lost in Space	130	PG	PARENTAL GUIDANCE	5.2
103436970	8866	The Truth About Cats & Dogs	93	M	MATURE (15+)	5.8
103436970	9824	Mystery Men	121	PG	PARENTAL GUIDANCE	5.8
103436970	68728	Oz the Great and Powerful	130	PG	PARENTAL GUIDANCE	5.8
103436970	122843	The Wedding Video	94	M	MATURE (15+)	5.4
103436970	216015	Fifty Shades of Grey	125	MA	MATURE ACCOMPANIED (15+)	5.4
103436970	224141	Into the Woods	125	PG	PARENTAL GUIDANCE	5.7
103436970	300000	the oracle of swinburne	231	G	GENERAL	4.3

**Credit 3c**

Paste your screen capture(s) for this task here.

Enter Statements:

```
SELECT DISTINCT 103436970 AS STUID, RELYEAR FROM MOVIE6970  
ORDER BY RELYEAR DESC;
```

Execute

Clear

**SELECT DISTINCT 103436970 AS STUID, RELYEAR FROM MOVIE6970 ORDER BY RELYEAR DESC**

STUID	RELYEAR
103436970	2019
103436970	2018
103436970	2017
103436970	2016
103436970	2015
103436970	2014
103436970	2013
103436970	2012
103436970	2011
103436970	2010

**Credit 3d**

Paste your screen capture(s) for this task here.

Enter Statements:

```
UPDATE MOVIE6970  
SET TMDB_VOTES=0
```

Execute

Clear

OK. 395 rows

MOVIEID	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOURCODE	TMDB_SCORE	TMDB_VOTES	IMDB_ID
13	Forrest Gump	1994	142	PG	C	8.4	0	tt0109830
22	Pirates of the Caribbean: The Curse of the Black Pearl	2003	143	PG	C	7.7	0	tt0325980
24	Kill Bill: Vol. 1	2003	111	MA	C	7.9	0	tt0266697
70	Million Dollar Baby	2004	132	M	C	7.9	0	tt0405159
75	Mars Attacks!	1996	106	M	C	6.2	0	tt0116996
77	Memento	2000	113	MA	C	8.2	0	tt0209144

Enter Statements:

```
UPDATE MOVIE6970
SET TMDB_VOTES = 1
WHERE (RUNTIME<=160 AND RATINGCODE='M') OR (RUNTIME>=180 AND RATINGCODE='G')
```

Execute

Clear

OK. 169 rows

Enter Statements:

```
SELECT 103436970 AS STUID, MOVIEID, TITLE, RELYEAR, RUNTIME, TMDB_VOTES,
RATINGCODE FROM MOVIE6970
WHERE TMDB_VOTES=1
ORDER BY TITLE ASC;
```

Execute

Clear

**SELECT 103436970 AS STUID, MOVIEID, TITLE, RELYEAR, RUNTIME, TMDB\_VOTES, RATINGCODE FROM MOVIE6970 WHERE TMDB\_VOTES=1 ORDER BY TITLE ASC**

STUID	MOVIEID	TITLE	RELYEAR	RUNTIME	TMDB_VOTES	RATINGCODE
103436970	1824	50 First Dates	2004	99	1	M
103436970	881	A Few Good Men	1992	138	1	M
103436970	332562	A Star Is Born	2018	135	1	M
103436970	245	About a Boy	2002	101	1	M
103436970	16614	Adventureland	2009	107	1	M
103436970	168672	American Hustle	2013	138	1	M
103436970	190859	American Sniper	2014	133	1	M
103436970	8699	Anchorman: The Legend of Ron Burgundy	2004	95	1	M

**Credit 3e**

Paste your screen capture(s) for this task here.

Enter Statements:

```
SELECT 103436970 AS STUID, MOVIEENO, TITLE, RELEYEAR, RUNTIME, RATINGCODE,
COLOURCODE, TMDB_SCORE, TMDB_VOTES, IMDB_ID FROM MOVIE6970

WHERE NOT TITLE LIKE 'B%' AND NOT TITLE LIKE 'E%' AND NOT TITLE LIKE 'R%' AND NOT
TITLE LIKE 'T%' AND NOT TITLE LIKE 'b%' AND NOT TITLE LIKE 'e%' AND NOT TITLE LIKE 'r%'
AND NOT TITLE LIKE 't%' AND NOT TITLE LIKE '%B%' AND NOT TITLE LIKE '%E%' AND NOT
TITLE LIKE '%R%' AND NOT TITLE LIKE '%T%' AND NOT TITLE LIKE '%b%' AND NOT TITLE LIKE
'%e%' AND NOT TITLE LIKE '%r%' AND NOT TITLE LIKE '%t%'

ORDER BY TITLE DESC;
```

Execute Clear

SELECT 103436970 AS STUID, MOVIEENO, TITLE, RELEYEAR, RUNTIME, RATINGCODE, COLOURCODE, TMDB\_SCORE, TMDB\_VOTES, IMDB\_ID FROM MOVIE6970 WHERE NOT TITLE LIKE 'B%' AND NOT TITLE LIKE 'E%' AND NOT TITLE LIKE 'R%' AND NOT TITLE LIKE 'T%' AND NOT TITLE LIKE 'b%' AND NOT TITLE LIKE 'e%' AND NOT TITLE LIKE 'r%' AND NOT TITLE LIKE 't%' AND NOT TITLE LIKE '%B%' AND NOT TITLE LIKE '%E%' AND NOT TITLE LIKE '%R%' AND NOT TITLE LIKE '%T%' AND NOT TITLE LIKE '%b%' AND NOT TITLE LIKE '%e%' AND NOT TITLE LIKE '%r%' AND NOT TITLE LIKE '%t%' ORDER BY TITLE DESC

STUID	MOVIEENO	TITLE	RELEYEAR	RUNTIME	RATINGCODE	COLOURCODE	TMDB_SCORE	TMDB_VOTES	IMDB_ID
103436970	11199	Wild Hogs	2007	100	M	C	5.8	1	tt0486946
103436970	228970	Wild	2014	115	M	C	7	1	tt2305051
103436970	356305	Why Him?	2016	111	M	C	6.2	1	tt4501244
103436970	238713	Spy	2015	120	M	C	6.8	1	tt3079380
103436970	37724	Skyfall	2012	143	M	C	7.1	1	tt1074638
103436970	539	Psycho	1960	109	MA	B	8.4	0	tt0054215
103436970	39513	Paul	2011	104	M	C	6.5	1	tt1092026
103436970	266647	Pan	2015	111	PG	C	5.9	0	tt3332064
103436970	86834	Noah	2014	138	M	C	5.6	1	tt1959490
103436970	11631	Mamma Mia!	2008	108	PG	C	6.9	0	tt0795421
103436970	651	M*A*S*H	1970	116	M	C	7.1	1	tt0066026
103436970	313369	La La Land	2016	129	PG	C	7.9	0	tt3783958
103436970	9502	Kung Fu Panda	2008	90	PG	C	7	0	tt0441773
103436970	254	King Kong	2005	187	PG	C	6.7	0	tt0360717
103436970	7326	Juno	2007	96	PG	C	7	0	tt0467406
103436970	8844	Jumanji	1995	104	PG	C	7	0	tt0113497
103436970	1574	Chicago	2002	113	M	C	7.1	1	tt0299658
103436970	297802	Aquaman	2018	143	PG	C	6.8	0	tt1477834
103436970	568	Apollo 13	1995	140	PG	C	7.4	0	tt0112384

OK. 19 rows selected.

### Credit 3f

Paste your screen capture(s) for this task here.

Relational Schema: CAR6970 (RegNo, Make, Model, SaleDate, OdometerReading)

Enter Statements:	<pre> DROP TABLE CAR6970; CREATE TABLE CAR6970(   RegNo VARCHAR(12) PRIMARY KEY,   Make VARCHAR(100),   Model VARCHAR(50),   SaleDate DATE,   OdometerReading NUMBER(7) ); </pre>
<div style="display: flex; justify-content: flex-end; gap: 10px;"> <span>Execute</span> <span>Clear</span> </div>	

OK. 0 rows

OK. 0 rows

**Credit 3g**

Paste your screen capture(s) for this task here.

Insert Into CAR6970 (Regno, Make, Model, SaleDate, OdometerReading) Values ('1LA4OU', 'Alfa Romeo', 'Giulia', TO\_DATE('2018/03/12', 'yyyy/mm/dd'), 7200);

Insert Into CAR6970 (Regno, Make, Model, SaleDate, OdometerReading) Values ('s103436970', 'Pham The Viet', 'Alibaba', TO\_DATE('2021/03/07', 'yyyy/mm/dd'), 9999);

Insert Into CAR6970 (Regno, Make, Model, SaleDate, OdometerReading) Values ('1QA8OP', 'Jack William', 'Alladin', TO\_DATE('1999/09/15', 'yyyy/mm/dd'), 3589);

Insert Into CAR6970 (Regno, Make, Model, SaleDate, OdometerReading) Values ('3MN9KL', 'Ricardo Carlos', 'Turtle Guys', TO\_DATE('2005/05/25', 'yyyy/mm/dd'), 7200);

**Credit 3h**

Paste your screen capture(s) for this task here.

Enter Statements:	SELECT * FROM CAR6970 ORDER BY RegNo ASC;
	<div>Execute</div> <div>Clear</div>

**SELECT \* FROM CAR6970 ORDER BY RegNo ASC**

REGNO	MAKE	MODEL	SALEDATE	ODOMETERREADING
1LA4OU	Alfa Romeo	Giulia	12-MAR-18	7200
1QA8OP	Jack William	Alladin	15-SEP-99	3589
3MN9KL	Ricardo Carlos	Turtle Guys	25-MAY-05	7200
s103436970	Pham The Viet	Alibaba	07-MAR-21	9999

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**Credit 3i**

Paste your screen capture(s) for this task here.

Enter Statements:

```
SELECT * FROM CAR6970
WHERE OdometerReading <8000;
```

Execute

Clear

**SELECT \* FROM CAR6970 WHERE OdometerReading <8000**

REGNO	MAKE	MODEL	SALEDATE	ODOMETERREADING
1LA4OU	Alfa Romeo	Giulia	12-MAR-18	7200
1QA8OP	Jack William	Alladin	15-SEP-99	3589
3MN9KL	Ricardo Carlos	Turtle Guys	25-MAY-05	7200

**Credit 3j**

Paste your screen capture(s) for this task here.



Enter Statements:	<pre>SELECT * FROM CAR6970 WHERE SaleDate &gt; '01-JAN-2019';</pre>
	<div>Execute Clear</div>

**SELECT \* FROM CAR6970 WHERE SaleDate > '01-JAN-2019'**

REGNO	MAKE	MODEL	SALEDATE	ODOMETERREADING
s103436970	Pham The Viet	Alibaba	07-MAR-21	9999

OK. 1 rows selected.

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