

INF10025 Data Management and Analytics

Task 3 – Credit Submission

Student Number: 104071453

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Credit 3a

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enter Statements: | <pre> SELECT '104071453' AS StudId, M.MovieNo, M.Title, M.Relyear, M.RatingCode, M.Runtime, R.ShortDesc AS RatingDesc, C.ColourName AS ColourDesc FROM movie1453 M INNER JOIN rating1453 R ON M.RatingCode = R.RatingCode INNER JOIN colourtype1453 C ON M.ColourCode = C.ColourCode WHERE runtime > 170 AND (M.RatingCode = 'M' OR M.RatingCode = 'MA') ORDER BY M.MovieNo ASC </pre> |
| | <input type="button" value="Execute"/> <input type="button" value="Clear"/> |

SELECT '104071453' AS StudId, M.MovieNo, M.Title, M.Relyear, M.RatingCode, M.Runtime, R.ShortDesc AS RatingDesc, C.ColourName AS ColourDesc FROM movie1453 M INNER JOIN rating1453 R ON M.RatingCode = R.RatingCode INNER JOIN colourtype1453 C ON M.ColourCode = C.ColourCode WHERE runtime > 170 AND (M.RatingCode = 'M' OR M.RatingCode = 'MA') ORDER BY M.MovieNo ASC

| STUDID | MOVIE NO | TITLE | RELYEAR | RATINGCODE | RUNTIME | RATINGDESC | COLOURDESC |
|-----------|----------|---------------------------------------------------|---------|------------|---------|--------------------------|---------------------|
| 104071453 | 120 | The Lord of the Rings: The Fellowship of the Ring | 2001 | M | 178 | MATURE (15+) | Colour Movie |
| 104071453 | 121 | The Lord of the Rings: The Two Towers | 2002 | M | 179 | MATURE (15+) | Colour Movie |
| 104071453 | 122 | The Lord of the Rings: The Return of the King | 2003 | M | 201 | MATURE (15+) | Colour Movie |
| 104071453 | 424 | Schindlers List | 1993 | M | 195 | MATURE (15+) | Black & White Movie |
| 104071453 | 597 | Titanic | 1997 | M | 194 | MATURE (15+) | Colour Movie |
| 104071453 | 676 | Pearl Harbor | 2001 | M | 183 | MATURE (15+) | Colour Movie |
| 104071453 | 10549 | Hamlet | 1996 | M | 242 | MATURE (15+) | Colour Movie |
| 104071453 | 83542 | Cloud Atlas | 2012 | MA | 172 | MATURE ACCOMPANIED (15+) | Colour Movie |
| 104071453 | 398978 | The Irishman | 2019 | MA | 209 | MATURE ACCOMPANIED (15+) | Colour Movie |

Credit 3b

```

1  SELECT '104071453' AS StudId,
2         M.MovieNo,
3         M.Title,
4         M.Runtime,
5         M.RatingCode,
6         R.ShortDesc AS RatingDesc,
7         M.TMDB_SCORE
8  FROM movie1453 M
9  INNER JOIN rating1453 R ON M.RatingCode = R.RatingCode
10 WHERE
11     ((M.RatingCode = 'MA' AND M.Runtime BETWEEN 100 AND 105)
12      OR (M.RatingCode = 'G' AND M.Runtime < 90)
13      OR (M.RatingCode = 'PG' AND M.Runtime BETWEEN 120 AND
14          125)
15      OR (M.RatingCode = 'M' AND M.Runtime >= 170))
16      AND M.TMDB_SCORE BETWEEN 6.8 AND 7.4
17 ORDER BY M.MovieNo ASC;

```

SELECT '104071453' AS StudId, M.MovieNo, M.Title, M.Runtime, M.RatingCode, R.ShortDesc AS RatingDesc, M.TMDB_SCORE FROM movie1453 M INNER JOIN rating1453 R ON M.RatingCode = R.RatingCode WHERE ((M.RatingCode = 'MA' AND M.Runtime BETWEEN 100 AND 105) OR (M.RatingCode = 'G' AND M.Runtime < 90) OR (M.RatingCode = 'PG' AND M.Runtime BETWEEN 120 AND 125) OR (M.RatingCode = 'M' AND M.Runtime >= 170)) AND M.TMDB_SCORE BETWEEN 6.8 AND 7.4 ORDER BY M.MovieNo ASC

| STUDID | MOVIE NO | TITLE | RUNTIME | RATING CODE | RATING DESC | TMDB_SCORE |
|-----------|----------|--------------------------------------------------|---------|-------------|--------------------------|------------|
| 104071453 | 153 | Lost in Translation | 102 | MA | MATURE ACCOMPANIED (15+) | 7.4 |
| 104071453 | 557 | Spider-Man | 121 | PG | PARENTAL GUIDANCE | 7 |
| 104071453 | 676 | Pearl Harbor | 183 | M | MATURE (15+) | 6.8 |
| 104071453 | 2567 | The Aviator | 170 | M | MATURE (15+) | 7.1 |
| 104071453 | 2759 | The Adventures of Priscilla, Queen of the Desert | 104 | MA | MATURE ACCOMPANIED (15+) | 7.3 |
| 104071453 | 18785 | The Hangover | 100 | MA | MATURE ACCOMPANIED (15+) | 7.2 |
| 104071453 | 257211 | The Intern | 121 | PG | PARENTAL GUIDANCE | 7.1 |
| 104071453 | 416477 | The Big Sick | 120 | PG | PARENTAL GUIDANCE | 7.4 |
| 104071453 | 419704 | Ad Astra | 123 | PG | PARENTAL GUIDANCE | 7 |

Credit 3c

```
SELECT  
DISTINCT  
Relyear  
FROM  
movie1453  
ORDER BY  
Relyear  
DESC
```

| RELYEAR |
|---------|
| 2019 |
| 2018 |
| 2017 |
| 2016 |
| 2015 |
| 2014 |
| 2013 |
| 2012 |
| 2011 |
| 2010 |
| |

Credit 3d

| | |
|-----------------------------------------------------------------------------|-------------------------------------------------|
| Enter Statements: | <pre>UPDATE MOVIE1453 SET TMDB_VOTES = 0;</pre> |
| <input type="button" value="Execute"/> <input type="button" value="Clear"/> | |

OK. 395 rows

SELECT * FROM movie1453 ORDER BY movieno DESC

| MOVIE1453_ID | TITLE | REL_YEAR | RUNTIME | RATING_CODE | COLOUR_CODE | TMDB_SCORE | TMDB_VOTES | IMDB_ID |
|--------------|----------------------------------|----------|---------|-------------|-------------|------------|------------|-----------|
| 549053 | Last Christmas | 2019 | 102 | PG | C | 7.2 | 0 | tt8623904 |
| 512200 | Jumanji: The Next Level | 2019 | 98 | PG | C | 7.3 | 0 | tt7975244 |
| 489925 | Eighth Grade | 2018 | 94 | M | C | 7.6 | 0 | tt7014006 |
| 475557 | Joker | 2019 | 122 | MA | C | 8.8 | 0 | tt7286456 |
| 466272 | Once Upon a Time... in Hollywood | 2019 | 161 | MA | C | 8 | 0 | tt7131622 |
| 459992 | Long Shot | 2019 | 125 | MA | C | 6.9 | 0 | tt2139881 |

| | |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Enter Statements: | <pre>UPDATE movie1453 SET TMDB_VOTES = 1 WHERE (Runtime <= 140 AND RatingCode = 'G') OR (Runtime >= 170 AND RatingCode = 'M')</pre> |
| <input type="button" value="Execute"/> <input type="button" value="Clear"/> | |

OK. 23 rows

Enter Statements:

```
SELECT '104071453' AS Stuld, MovieNo, Title, Relyear, Runtime, TMDB_VOTES,
RatingCode
FROM movie1453
WHERE TMDB_VOTES = 1
ORDER BY Title ASC
```

Execute Clear

SELECT '104071453' AS Stuld, MovieNo, Title, Relyear, Runtime, TMDB_VOTES, RatingCode FROM movie1453 WHERE TMDB_VOTES = 1 ORDER BY Title ASC

| STUID | MOVIE | NO TITLE | RELYEAR | RUNTIME | TMDB_VOTES | RATINGCODE |
|-----------|--------|-------------------------------------------------------------|---------|---------|------------|------------|
| 104071453 | 218778 | Alexander and the Terrible, Horrible, No Good, Very Bad Day | 2014 | 81 | 1 | G |
| 104071453 | 127380 | Finding Dory | 2016 | 103 | 1 | G |
| 104071453 | 16084 | Freaky Friday | 1976 | 95 | 1 | G |
| 104071453 | 109445 | Frozen | 2013 | 102 | 1 | G |
| 104071453 | 45772 | Gnomeo & Juliet | 2011 | 84 | 1 | G |
| 104071453 | 10549 | Hamlet | 1996 | 242 | 1 | M |
| 104071453 | 9836 | Happy Feet | 2006 | 108 | 1 | G |

Credit 3e

Enter Statements:

```
SELECT '104071453' AS Stuld, movie1453.*
FROM movie1453
WHERE LOWER(Title) NOT LIKE '%a%'
AND LOWER(Title) NOT LIKE '%b%'
AND LOWER(Title) NOT LIKE '%i%'
AND LOWER(Title) NOT LIKE '%o%'
ORDER BY Title DESC
```

Execute Clear

SELECT '104071453' AS Stuld, movie1453.* FROM movie1453 WHERE LOWER(Title) NOT LIKE '%a%' AND LOWER(Title) NOT LIKE '%b%' AND LOWER(Title) NOT LIKE '%i%' AND LOWER(Title) NOT LIKE '%o%' ORDER BY Title DESC

| STUID | MOVIE | NO TITLE | RELYEAR | RUNTIME | RATINGCODE | COLOURCODE | TMDB_SCORE | TMDB_VOTES | IMDB_ID |
|-----------|--------|--------------|---------|---------|------------|------------|------------|------------|-----------|
| 104071453 | 36657 | X-Men | 2000 | 104 | M | C | 6.9 | 0 | tt0120903 |
| 104071453 | 564 | The Mummy | 1999 | 124 | M | C | 6.7 | 0 | tt0120616 |
| 104071453 | 72105 | Ted | 2012 | 106 | MA | C | 6.3 | 0 | tt1637725 |
| 104071453 | 23629 | Sucker Punch | 2011 | 110 | MA | C | 6.1 | 0 | tt0978764 |
| 104071453 | 238713 | Spy | 2015 | 120 | M | C | 6.8 | 0 | tt3079380 |
| 104071453 | 1637 | Speed | 1994 | 116 | MA | C | 6.9 | 0 | tt0111257 |
| 104071453 | 206647 | Spectre | 2015 | 148 | M | C | 6.2 | 0 | tt2379713 |
| 104071453 | 807 | Se7en | 1995 | 127 | MA | C | 8.3 | 0 | tt0114369 |
| 104071453 | 9824 | Mystery Men | 1999 | 121 | PG | C | 5.8 | 0 | tt0132347 |
| 104071453 | 2022 | Mr. Deeds | 2002 | 96 | M | C | 5.7 | 0 | tt0280590 |
| 104071453 | 10710 | Envy | 2004 | 99 | PG | C | 4.8 | 0 | tt0326856 |
| 104071453 | 212778 | Chef | 2014 | 114 | PG | C | 7.1 | 0 | tt2883512 |

Credit 3f

Relational Schema:

```

1 CAR1453(RegNo, Make, Model, OdometerReading, SaleDate)
2 PK RegNo

```

Line: 2:9 Plain Text Tab Size: 4

Create_car_sql.txt:

```

1 DROP TABLE CAR1453;
2
3 CREATE TABLE CAR1453 (
4   RegNo VARCHAR(50) PRIMARY KEY,
5   Make VARCHAR(50),
6   Model VARCHAR (50),
7   SaleDate DATE,
8   OdometerReading INT);

```

Line: 8:22 Plain Text Tab Size: 4

Credit 3g

```

1 INSERT INTO Car1453 (RegNo, Make, Model, SaleDate, OdometerReading)
2 VALUES ('1AMT7U', 'Aston Martin', 'Vantage', TO_DATE('2022-03-12', 'YYYY-MM-DD'), 5300);
3
4 INSERT INTO Car1453 (RegNo, Make, Model, SaleDate, OdometerReading)
5 VALUES ('2BHY9P', 'Marco', 'Giacoppo', TO_DATE('2023-05-20', 'YYYY-MM-DD'), 7200);
6
7 INSERT INTO Car1453 (RegNo, Make, Model, SaleDate, OdometerReading)
8 VALUES ('3CDE8Q', 'Honda', 'Civic', TO_DATE('2022-09-15', 'YYYY-MM-DD'), 6100);
9
10 INSERT INTO Car1453 (RegNo, Make, Model, SaleDate, OdometerReading)
11 VALUES ('4DFA2R', 'BMW', 'X5', TO_DATE('2024-01-10', 'YYYY-MM-DD'), 8500);
12
13 INSERT INTO Car1453 (RegNo, Make, Model, SaleDate, OdometerReading)
14 VALUES ('5EGM3S', 'Ferrari', '488 GTB', TO_DATE('2023-11-28', 'YYYY-MM-DD'), 4500);
15

```

Line: 15 Plain Text Tab Size: 4

Credit 3h

Enter
Statements:

```
SELECT '104071453' AS StudId, Car1453.*
FROM Car1453
ORDER BY RegNo ASC
```


**SELECT '104071453' AS StudId, Car1453.* FROM Car1453 ORDER BY
RegNo ASC**

| STUDID | REGNO | MAKE | MODEL | SALEDATE | ODOMETERREADING |
|-----------|--------|-----------------|----------|---------------|-----------------|
| 104071453 | 1AMT7U | Aston Martin | Vantage | 12-MAR- 22 | 5300 |
| 104071453 | 2BHY9P | Marco | Giacoppo | 20-MAY- 23 | 7200 |
| 104071453 | 3CDE8Q | Honda | Civic | 15-SEP-22 | 6100 |
| 104071453 | 4DFA2R | BMW | X5 | 10-JAN-24 | 8500 |
| 104071453 | 5EGM3S | Ferrari | 488 GTB | 28-NOV- 23 | 4500 |

Credit 3i

Enter
Statements:

```
SELECT '104071453' AS StudId, Car1453.*
FROM Car1453
WHERE OdometerReading < 6000
```


**SELECT '104071453' AS StudId, Car1453.* FROM Car1453 WHERE
OdometerReading < 6000**

| STUDID | REGNO | MAKE | MODEL | SALEDATE | ODOMETERREADING |
|-----------|--------|-----------------|------------|---------------|-----------------|
| 104071453 | 1AMT7U | Aston Martin | Vantage | 12-MAR- 22 | 5300 |
| 104071453 | 5EGM3S | Ferrari | 488 GTB | 28-NOV- 23 | 4500 |

Credit 3j

Enter
Statements:

```
SELECT '104071453' AS StudId, Car1453.*  
FROM Car1453  
WHERE SaleDate > TO_DATE('2023-05-07', 'YYYY,  
MM, DD');
```

**SELECT '104071453' AS StudId, Car1453.* FROM Car1453 WHERE
SaleDate > TO_DATE('2023-05-07', 'YYYY, MM, DD')**

| STUDID | REGNO | MAKE | MODEL | SALEDATE | ODOMETERREADING |
|-----------|--------|---------|----------|-----------|-----------------|
| 104071453 | 2BHY9P | Marco | Giacoppo | 20-MAY-23 | 7200 |
| 104071453 | 4DFA2R | BMW | X5 | 10-JAN-24 | 8500 |
| 104071453 | 5EGM3S | Ferrari | 488 GTB | 28-NOV-23 | 4500 |