

# CIS 310 Final – Brandon Berney

## Part 1 – SQL Code

```
CREATE DATABASE Ch08_MovieCo;
```

```
47. CREATE TABLE MEMBERSHIP (  
    MEM_NUM INT NOT NULL PRIMARY KEY,  
    MEM_FNAME VARCHAR(50) NOT NULL,  
    MEM_LNAME VARCHAR(50) NOT NULL,  
    MEM_STREET VARCHAR(255) NOT NULL,  
    MEM_CITY VARCHAR(255) NOT NULL,  
    MEM_STATE VARCHAR(2) NOT NULL,  
    MEM_ZIP INT NOT NULL,  
    MEM_BALANCE DECIMAL(5,2) DEFAULT 0.00 NOT NULL  
);
```

```
CREATE TABLE RENTAL (  
    RENT_NUM INT NOT NULL PRIMARY KEY,  
    RENT_DATE DATE NOT NULL,  
    MEM_NUM INT NOT NULL,  
    FOREIGN KEY(MEM_NUM) REFERENCES MEMBERSHIP(MEM_NUM) ON UPDATE CASCADE  
);
```

```
CREATE TABLE PRICE (  
    PRICE_CODE INT PRIMARY KEY,  
    PRICE_DESCRIPTION VARCHAR(255) NOT NULL,  
    PRICE_RENTFEE DECIMAL(2,1) NOT NULL,  
    PRICE_DAILYLATEFEE DECIMAL(2,1) NOT NULL  
);
```

```
CREATE TABLE MOVIE (  
    MOVIE_NUM INT PRIMARY KEY,  
    MOVIE_TITLE VARCHAR(50) NOT NULL,  
    MOVIE_YEAR INT NOT NULL,  
    MOVIE_COST DECIMAL(4,2) NOT NULL,  
    MOVIE_GENRE VARCHAR(25) NOT NULL,  
    PRICE_CODE INT,  
    FOREIGN KEY (PRICE_CODE) REFERENCES PRICE(PRICE_CODE)  
);
```

```
CREATE TABLE VIDEO (  
    VID_NUM INT PRIMARY KEY,  
    VID_INDATE DATE NOT NULL,  
    MOVIE_NUM INT NOT NULL,  
    FOREIGN KEY (MOVIE_NUM) REFERENCES MOVIE(MOVIE_NUM) ON UPDATE CASCADE  
);
```

```

CREATE TABLE DETAILRENTAL (
    RENT_NUM INT NOT NULL,
    VID_NUM INT NOT NULL,
    DETAIL_FEE DECIMAL(2,1) NOT NULL,
    DETAIL_DUEDATE DATE NOT NULL,
    DETAIL_RETURNDATE DATE,
    DETAIL_DAILYLATEFEE INT NOT NULL,
    PRIMARY KEY (RENT_NUM, VID_NUM),
    FOREIGN KEY(RENT_NUM) REFERENCES RENTAL(RENT_NUM),
    FOREIGN KEY(VID_NUM) REFERENCES VIDEO(VID_NUM)
);

```

48.

```

INSERT INTO MEMBERSHIP VALUES (102, 'Tami', 'Dawson', '2632 Takli Circle', 'Norene', 'TN', 37136, 1
1);
INSERT INTO MEMBERSHIP VALUES (103, 'Curt', 'Knight', '4025 Cornell Court', 'Flatgap', 'KY', 41219,
6);
INSERT INTO MEMBERSHIP VALUES (104, 'Jamal', 'Melendez', '788 East 145th Avenue', 'Quebeck', 'TN',
38579, 0);
INSERT INTO MEMBERSHIP VALUES(105, 'Iva', 'McClain', '6045 Musket Ball Circle', 'Suimmit', 'KY', 42
783, 15);
INSERT INTO MEMBERSHIP VALUES(106, 'Miranda', 'Parks', '4469 Maxwell Place', 'Germantown', 'TN', 38
183, 0);
INSERT INTO MEMBERSHIP VALUES(107, 'Roario', 'Elliott', '7578 Danner Avenue', 'Columbia', 'TN', 384
02, 5);
INSERT INTO MEMBERSHIP VALUES(108, 'Mattie', 'Guy', '4390 Evergreen Street', 'Lily', 'KY', 40740, 0
);
INSERT INTO MEMBERSHIP VALUES(109, 'Clint', 'Ochoa', '1711 Elm Street', 'Greeneville', 'TN', 37745,
10);
INSERT INTO MEMBERSHIP VALUES(110, 'Lewis', 'Rosales', '4524 Southwind Circle', 'Counce', 'TN', 383
26, 0);
INSERT INTO MEMBERSHIP VALUES(111, 'Stacy', 'Mann', '2789 East Cook Avenue', 'Murfreesboro', 'TN',
37132, 8);
INSERT INTO MEMBERSHIP VALUES(112, 'Luis', 'Trujillo', '7267 Melvin Avenue', 'Heiskell', 'TN', 3775
4, 3);
INSERT INTO MEMBERSHIP VALUES(113, 'Minnie', 'Gonzales', '6430 Vasili Drive', 'Williston', 'TN', 38
076, 0);

INSERT INTO RENTAL VALUES(1001, '01-MAR-18', 103);
INSERT INTO RENTAL VALUES(1002, '01-MAR-18', 105);
INSERT INTO RENTAL VALUES(1003, '02-mar-18', 102);
INSERT INTO RENTAL VALUES(1004, '02-mar-18', 110);
INSERT INTO RENTAL VALUES(1005, '02-mar-18', 111);
INSERT INTO RENTAL VALUES(1006, '02-mar-18', 107);
INSERT INTO RENTAL VALUES(1007, '02-mar-18', 104);
INSERT INTO RENTAL VALUES(1008, '03-mar-18', 105);
INSERT INTO RENTAL VALUES(1009, '03-mar-18', 111);

INSERT INTO PRICE VALUES(1, 'Standard', 2, 1);
INSERT INTO PRICE VALUES(2, 'New Release', 3.5, 3);
INSERT INTO PRICE VALUES(3, 'Discount', 1.5, 1);
INSERT INTO PRICE VALUES(4, 'Weekly Special', 1, .5);

```

```

INSERT INTO MOVIE VALUES(1234, 'The Cesar Family Christmas', 2016, 39.95, 'FAMILY', 2);
INSERT INTO MOVIE VALUES(1235, 'Smokey Mountain Wildlife', 2013, 59.95, 'ACTION', 1);
INSERT INTO MOVIE VALUES(1236, 'Richard Goodhope', 2017, 59.95, 'DRAMA', 2);
INSERT INTO MOVIE VALUES(1237, 'Beatnik Fever', 2016, 29.95, 'COMEDY', 2);
INSERT INTO MOVIE VALUES(1238, 'Constant Companion', 2017, 89.95, 'DRAMA', NULL);
INSERT INTO MOVIE VALUES(1239, 'Where Hope Dies', 2007, 25.49, 'DRAMA', 3);
INSERT INTO MOVIE VALUES(1245, 'Time to Burn', 2014, 45.49, 'ACTION', 1);
INSERT INTO MOVIE VALUES(1246, 'What He Doesn't Know', 2015, 58.29, 'COMEDY', 1);

```

```

INSERT INTO VIDEO VALUES(54321, '18-jun-17', 1234);
INSERT INTO VIDEO VALUES(54324, '18-jun-17', 1234);
INSERT INTO VIDEO VALUES(54325, '18-jun-17', 1234);
INSERT INTO VIDEO VALUES(34341, '22-jan-16', 1235);
INSERT INTO VIDEO VALUES(34342, '22-jan-16', 1235);
INSERT INTO VIDEO VALUES(34366, '02-mar-18', 1236);
INSERT INTO VIDEO VALUES(34367, '02-mar-18', 1236);
INSERT INTO VIDEO VALUES(34368, '02-mar-18', 1236);
INSERT INTO VIDEO VALUES(34369, '02-mar-18', 1236);
INSERT INTO VIDEO VALUES(44392, '21-oct-17', 1237);
INSERT INTO VIDEO VALUES(44397, '21-oct-17', 1237);
INSERT INTO VIDEO VALUES(59237, '14-feb-18', 1237);
INSERT INTO VIDEO VALUES(61388, '25-jan-16', 1239);
INSERT INTO VIDEO VALUES(61353, '28-jan-15', 1245);
INSERT INTO VIDEO VALUES(61354, '28-jan-15', 1245);
INSERT INTO VIDEO VALUES(61367, '30-jul-17', 1246);
INSERT INTO VIDEO VALUES(61369, '30-jul-17', 1246);

```

```

INSERT INTO DETAILRENTAL VALUES(1001, 34342, 2, '04-MAR-18', '02-MAR-18', NULL);
INSERT INTO DETAILRENTAL VALUES(1001, 61353, 2, '04-MAR-18', '03-MAR-18', 1);
INSERT INTO DETAILRENTAL VALUES(1002, 59237, 3.5, '04-MAR-18', '04-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1003, 54325, 3.5, '04-MAR-18', '09-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1003, 61369, 2, '06-MAR-18', '09-MAR-18', 1);
INSERT INTO DETAILRENTAL VALUES(1003, 61388, 0, '06-MAR-18', '09-MAR-18', 1);
INSERT INTO DETAILRENTAL VALUES(1004, 44392, 3.5, '05-MAR-18', '07-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1004, 34367, 3.5, '05-MAR-18', '07-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1004, 34341, 2, '07-MAR-18', '07-MAR-18', 1);
INSERT INTO DETAILRENTAL VALUES(1005, 34342, 2, '07-MAR-18', '05-MAR-18', 1);
INSERT INTO DETAILRENTAL VALUES(1005, 44397, 3.5, '05-MAR-18', '05-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1006, 34366, 3.5, '05-MAR-18', '04-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1006, 61367, 2, '07-MAR-18', NULL, 1);
INSERT INTO DETAILRENTAL VALUES(1007, 34368, 3.5, '05-MAR-18', NULL, 3);
INSERT INTO DETAILRENTAL VALUES(1008, 34369, 3.5, '05-MAR-18', '05-MAR-18', 3);
INSERT INTO DETAILRENTAL VALUES(1009, 54324, 3.5, '05-MAR-18', NULL, 3);
INSERT INTO DETAILRENTAL VALUES(1001, 34366, 3.5, '04-MAR-18, 02-MAR-18', 3);

```

```

49. UPDATE MOVIE SET MOVIE_YEAR = 2014 WHERE MOVIE_NUM = 1245;
50. UPDATE MOVIE SET PRICE_CODE=3 WHERE MOVIE_GENRE='ACTION';
51. UPDATE PRICE SET PRICE_RENTFEE=PRICE_RENTFEE+.5;

```

## Part 2 – Query Results

Mem_Num	Mem_FName	Mem_LName	Mem_Street	Mem_City	Mem_State	Mem_Zip	Mem_Balance
102	Tami	Dawson	2632 Takli Circle	Norene	TN	37136	11
103	Curt	Knight	4025 Cornell Court	Flatgap	KY	41219	6
104	Jamal	Melendez	788 East 145th Avenue	Quebeck	TN	38579	0
105	Iva	McClain	6045 Musket Ball Circle	Summit	KY	42783	15
106	Miranda	Parks	4469 Maxwell Place	Germantown	TN	38183	0
107	Rosario	Elliott	7578 Danner Avenue	Columbia	TN	38402	5
108	Mattie	Guy	4390 Evergreen Street	Lily	KY	40740	0
109	Clint	Ochoa	1711 Elm Street	Greenville	TN	37745	10
110	Lewis	Rosales	4524 SouthWind Circle	Counce	TN	38326	0
111	Stacy	Mann	2789 East Cook Avenue	Murfreesboro	TN	37132	8
112	Luis	Trujillo	7267 Melvin Avenue	Heiskell	TN	37754	3
113	Minnie	Gonzales	6430 Vasili Drive	Williston	TN	38076	0

Rent_Num	Rent_Date	Mem_Num
1001	2018-03-01	103
1002	2018-03-01	105
1003	2018-03-02	102
1004	2018-03-02	110
1005	2018-03-02	111
1006	2018-03-02	107
1007	2018-03-02	104
1008	2018-03-03	105
1009	2018-03-03	111

Price_Code	Price_Description	Price_RentFee	Price_DailyLateFee
1	Standard	2.5	1
2	New Release	4	3
3	Discount	2	1
4	Weekly Special	1.5	0.5

MOVIE_NUM	MOVIE_TITLE	MOVIE_YEAR	MOVIE_COST	MOVIE_GENRE	PRICE_CODE
1234	The Cesar Family Christmas	2016	39.95	FAMILY	2
1235	Smokey Mountain Wildlife	2013	59.95	ACTION	3
1236	Richard Goodhope	2017	59.95	DRAMA	2
1237	Beatnik Fever	2016	29.95	COMEDY	2
1238	Constant Companion	2017	89.95	DRAMA	
1239	Where Hope Dies	2007	25.49	DRAMA	3
1245	Time to Burn	2014	45.49	ACTION	3
1246	What He Doesn't Know	2015	58.29	COMEDY	1

Vid_Num	Vid_InDate	Movie_Num
54321	2017-06-18	1234
54324	2017-06-18	1234
54325	2017-06-18	1234
34341	2016-01-22	1235
34342	2016-01-22	1235
34366	2018-03-02	1236
34367	2018-03-02	1236
34368	2018-03-02	1236
34369	2018-03-02	1236
44392	2017-10-21	1237
44397	2017-10-21	1237
59237	2018-02-14	1237
61388	2016-01-25	1239
61353	2015-01-28	1245
61354	2015-01-28	1245
61367	2017-07-30	1246
61369	2017-07-30	1246

Rent_Num	Vid_Num	Detail_Fee	Detail_DueDate	Detail_ReturnDate	Detail_DailyLateFee
1001	34342	2	2018-03-04	2018-03-02	1
1001	61353	2	2018-03-04	2018-03-03	1
1002	59237	3.5	2018-03-04	2018-03-04	3
1003	54325	3.5	2018-03-04	2018-03-09	3
1003	61369	2	2018-03-06	2018-03-09	1
1003	61388	0	2018-03-06	2018-03-09	1
1004	44392	3.5	2018-03-05	2018-03-07	3
1004	34367	3.5	2018-03-05	2018-03-07	3
1004	34341	2	2018-03-07	2018-03-07	1
1005	34342	2	2018-03-07	2018-03-05	1
1005	44397	3.5	2018-03-05	2018-03-05	3
1006	34366	3.5	2018-03-05	2018-03-04	3
1006	61367	2	2018-03-07		1
1007	34368	3.5	2018-03-05		3
1008	34369	3.5	2018-03-05	2018-03-05	3
1009	54324	3.5	2018-03-05		3
1001	34366	3.5	2018-03-04	2018-03-02	3

## Part 3 – Relational Diagram

