

Database Concepts Final Project  
Part 2

DROP TABLE STAR\_AWARDS;  
Table dropped.

DROP TABLE DIR\_AWARDS;  
Table dropped.

DROP TABLE RENTED;  
Table dropped.

DROP TABLE INVOICE;  
Table dropped.

DROP TABLE MOVIES;  
Table dropped.

DROP TABLE DIRECTORS;  
Table dropped.

DROP TABLE STARS;  
Table dropped.

DROP TABLE CATEGORY;  
Table dropped.

DROP TABLE COUNTRY;  
Table dropped.

DROP TABLE CUSTOMERS;  
Table dropped.

CREATE TABLE CUSTOMERS(  
CUST\_ID CHAR(6),  
CUST\_LNAME VARCHAR(15) NOT NULL,  
CUST\_FNAME VARCHAR(15) NOT NULL,  
ADDRESS VARCHAR(25) NOT NULL,  
CITY VARCHAR(15) NOT NULL,  
STATE CHAR(2) NOT NULL,  
ZIP\_CODE CHAR(5) NOT NULL,  
PHONE CHAR(12) NOT NULL,  
CUST\_EMAIL VARCHAR(20) NOT NULL,  
PRIMARY KEY(CUST\_ID),  
CONSTRAINT CUSTOMERS\_CK1 CHECK(STATE = ANY

```
('AL','AK','AZ','AR','CA','CO','CT','DE','FL','GA','HI','ID','IL','IN','IA','KS','KY','LA','ME','MD','MA','MI','MN','MS','MO','MT','NE','NV','NH','NJ','NM','NY','NC','ND','OH','OK','OR','PA','RI','SC','SD','TN','TX','UT','VT','VA','WA','WV','WI','WY'))  
);  
Table created.
```

```
INSERT INTO CUSTOMERS  
VALUES(400001,'SCHNEIDER','ERIC','123 MAIN','FORT DODGE','IA','64506','816-123-4567','ERIC@ERIC.COM');  
1 row created.
```

```
INSERT INTO CUSTOMERS  
VALUES(400002,'GIFFIN','KRISTIN','80 HARRINGTON','GOWER','MO','64507','816-321-9876','KRISTIN@KRISTIN.COM');  
1 row created.
```

```
INSERT INTO CUSTOMERS  
VALUES(400003,'DERR','PATTI','5050 FARAON','SAVANNAH','MO','64485','660-987-9876','PATTID@PATTID.COM');  
1 row created.
```

```
CREATE TABLE COUNTRY(  
CNTRY_ID CHAR(3),  
CNTRY_NAME VARCHAR(20) NOT NULL,  
PRIMARY KEY(CNTRY_ID)  
);  
Table created.
```

```
INSERT INTO COUNTRY  
VALUES ('101', 'UNITED STATES');  
1 row created.
```

```
INSERT INTO COUNTRY  
VALUES ('102', 'CHINA');  
1 row created.
```

```
INSERT INTO COUNTRY  
VALUES ('103', 'FRANCE');  
1 row created.
```

```
CREATE TABLE CATEGORY(  
CATGRY_ID CHAR(3),  
CATGRY_NAME VARCHAR(20) NOT NULL,  
PRIMARY KEY(CATGRY_ID)  
);  
Table created.
```

```
INSERT INTO CATEGORY  
VALUES ('201', 'Sci-fi');  
1 row created.
```

```
INSERT INTO CATEGORY  
VALUES ('202', 'ROMANCE');  
1 row created.
```

```
INSERT INTO CATEGORY  
VALUES ('203', 'ACTION');  
1 row created.
```

```
CREATE TABLE DIRECTORS(  
DIR_ID CHAR(6),  
DIR_LNAME VARCHAR(15) NOT NULL,  
DIR_FNAME VARCHAR(15) NOT NULL,  
DIR_BDATE DATE NOT NULL,  
DIR_DDATE DATE NULL,  
DIR_GENDER CHAR(1) NOT NULL,  
CNTRY_ID CHAR(3) NOT NULL,  
PRIMARY KEY(DIR_ID),  
FOREIGN KEY(CNTRY_ID) REFERENCES COUNTRY(CNTRY_ID),  
CONSTRAINT DIRECTORS_CK1 CHECK(DIR_GENDER='M' OR DIR_GENDER='F')  
);  
Table created.
```

```
INSERT INTO DIRECTORS  
VALUES ('100001','TOKAR','NORMAN', '25-NOV-1919','06-APR-1979','M','101');  
1 row created.
```

```
INSERT INTO DIRECTORS  
VALUES ('100002','JEUNET','JEAN-PIERRE', '03-SEP-1953',NULL,'M','103');
```

1 row created.

```
INSERT INTO DIRECTORS
VALUES ('100003','LEE','ANG', '23-OCT-1954',NULL,'M','102');
1 row created.
```

```
CREATE TABLE STARS(
STAR_ID CHAR(6),
STAR_LNAME VARCHAR(15) NOT NULL,
STAR_FNAME VARCHAR(15) NOT NULL,
STAR_BDATE DATE NOT NULL,
STAR_DDATE DATE NULL,
STAR_GENDER CHAR(1) NOT NULL,
CNTRY_ID CHAR(3) NOT NULL,
PLACE_BRN VARCHAR(20) NULL,
CAUSE_DEATH VARCHAR(100) NULL,
PRIMARY KEY(STAR_ID),
FOREIGN KEY(CNTRY_ID) REFERENCES COUNTRY(CNTRY_ID),
CONSTRAINT STARS_CK1 CHECK(STAR_GENDER = 'M' OR STAR_GENDER='F')
);
Table created.
```

```
INSERT INTO STARS
VALUES ('300001','DUNCAN','SANDY','20-FEB-1946',NULL,'F','101','TEXAS',NULL);
1 row created.
```

```
INSERT INTO STARS
VALUES ('300002','YUN-FAT','CHOW','18-MAY-1955',NULL,'M','102','HONG KONG',NULL);
1 row created.
```

```
INSERT INTO STARS
VALUES ('300003','TAUTOU','AUDREY','09-AUG-1976',NULL,'M','103','BEAUMONT',NULL);
1 row created.
```

```
CREATE TABLE MOVIES(
MOV_ID CHAR(6),
MOV_TITLE VARCHAR(30) NOT NULL,
MOV_YEAR CHAR(4) NOT NULL,
MOV_RATING CHAR(5) NOT NULL,
```

```

MOV_LENGTH NUMBER(3) NULL,
NUM_AWARDS NUMBER(2) NULL,
WW_GROSS NUMBER(19,2) NULL,
US_GROSS NUMBER(19,2) NULL,
CATGRY_ID CHAR(3) NOT NULL,
CNTRY_ID CHAR(3) NOT NULL,
DIR_ID CHAR(6) NOT NULL,
PRIMARY KEY(MOV_ID),
FOREIGN KEY(CATGRY_ID) REFERENCES CATEGORY(CATGRY_ID),
FOREIGN KEY(CNTRY_ID) REFERENCES COUNTRY(CNTRY_ID),
FOREIGN KEY(DIR_ID) REFERENCES DIRECTORS(DIR_ID),
CONSTRAINT MOVIES_CK1 CHECK(MOV_YEAR BETWEEN '1920' AND '2050')
);
Table created.

```

```

INSERT INTO MOVIES
VALUES('200001','AMELIE','2001','R','122',54,'33201661.00','173921954.00','202','103','100002');
1 row created.

```

```

INSERT INTO MOVIES
VALUES('200002','CAT FROM OUTER SPACE','1978','G','104',NULL,NULL,NULL,'201','101','100001');
1 row created.

```

```

INSERT INTO MOVIES
VALUES('200003','CROUCHING TIGER, HIDDEN DRAGON','2000','PG-13','120',87,128067808,'213525736.00','203','102','100003');
1 row created.

```

```

CREATE TABLE STAR_AWARDS(
MOV_ID CHAR(6),
STAR_ID CHAR(6),
BEST_MALE CHAR(1) NULL,
BEST_FEMALE CHAR(1) NULL,
SUPPORT_MALE CHAR(1) NULL,
SUPPORT_FEMALE CHAR(1) NULL,
PRIMARY KEY(MOV_ID, STAR_ID),
FOREIGN KEY(MOV_ID) REFERENCES MOVIES(MOV_ID),
FOREIGN KEY(STAR_ID) REFERENCES STARS(STAR_ID),
CONSTRAINT STAR_AWARDS_CK1 CHECK(BEST_MALE = 'W' OR BEST_MALE = 'N'),
CONSTRAINT STAR_AWARDS_CK2 CHECK(BEST_FEMALE = 'W' OR BEST_FEMALE = 'N'),

```

```
CONSTRAINT STAR_AWARDS_CK3 CHECK(SUPPORT_MALE = 'W' OR SUPPORT_MALE
='N'),
CONSTRAINT STAR_AWARDS_CK4 CHECK(SUPPORT_FEMALE = 'W' OR
SUPPORT_FEMALE = 'N')
);
Table created.
```

```
INSERT INTO STAR_AWARDS
VALUES ('200001','300003',NULL,'W',NULL,NULL);
1 row created.
```

```
INSERT INTO STAR_AWARDS
VALUES ('200002','300001',NULL,NULL,NULL,'N');
1 row created.
```

```
INSERT INTO STAR_AWARDS
VALUES ('200003','300002',NULL,NULL,'W',NULL);
1 row created.
```

```
CREATE TABLE DIR_AWARDS(
MOV_ID CHAR(6),
DIR_ID CHAR(6),
BEST_DIR CHAR(1) NULL,
PRIMARY KEY(MOV_ID, DIR_ID),
FOREIGN KEY(MOV_ID) REFERENCES MOVIES(MOV_ID),
FOREIGN KEY(DIR_ID) REFERENCES DIRECTORS(DIR_ID),
CONSTRAINT DIR_AWARDS_CK1 CHECK(BEST_DIR = 'W' OR BEST_DIR ='N')
);
Table created.
```

```
INSERT INTO DIR_AWARDS
VALUES ('200001','100002','W');
1 row created.
```

```
INSERT INTO DIR_AWARDS
VALUES ('200002','100001','N');
1 row created.
```

```
INSERT INTO DIR_AWARDS
VALUES ('200003','100003','W');
```

1 row created.

```
CREATE TABLE INVOICE(  
  INV_NUM CHAR(6),  
  CUST_ID CHAR(6),  
  MOV_ID CHAR(6),  
  INV_DATE DATE NOT NULL,  
  RETURN_DATE DATE NOT NULL,  
  RENT_FEE NUMBER(7,2) NOT NULL,  
  PAY_TYPE CHAR(2) NOT NULL,  
  PRIMARY KEY(INV_NUM),  
  FOREIGN KEY(MOV_ID) REFERENCES MOVIES(MOV_ID),  
  FOREIGN KEY(CUST_ID) REFERENCES CUSTOMERS(CUST_ID),  
  CONSTRAINT INVOICE_CK1 CHECK(PAY_TYPE = ANY('DC','CC','CK','CH'))  
);
```

Table created.

```
INSERT INTO INVOICE  
VALUES ('500001','400002','200001','19-APR-2013','21-APR-2013',6.00,'CK');
```

1 row created.

```
INSERT INTO INVOICE  
VALUES ('500002','400001','200003','12-MAR-2013','14-MAR-2013',10.00,'CH');
```

1 row created.

```
INSERT INTO INVOICE  
VALUES ('500003','400003','200002','05-FEB-2013','07-FEB-2013',20.00,'CC');
```

1 row created.

```
CREATE TABLE RENTED(  
  RENTED_ID CHAR(6),  
  INV_NUM CHAR(6),  
  MOV_ID CHAR(6),  
  PRIMARY KEY(RENTED_ID),  
  FOREIGN KEY(INV_NUM) REFERENCES INVOICE(INV_NUM),  
  FOREIGN KEY(MOV_ID) REFERENCES MOVIES(MOV_ID)  
);
```

Table created.

```
INSERT INTO RENTED
VALUES ('600001', '500001', '200001');
1 row created.
```

```
INSERT INTO RENTED
VALUES ('600002', '500002', '200003');
1 row created.
```

```
INSERT INTO RENTED
VALUES ('600003', '500003', '200002');
1 row created.
```

```
SELECT * FROM CUSTOMERS;
```

CUST_ID	CUST_LNAME	CUST_FNAME	ADDRESS	CITY	STATE	ZIP_CODE	PHONE	CUST_EMAIL
400001	SCHNEIDER	ERIC	123 MAIN	FORT DODGE	IA	64506	816-123-4567	ERIC@ERIC.COM
400002	GIFFIN	KRISTIN	80 HARRINGTON	GOWER	MO	64507	816-321-9876	KRISTIN@KRISTIN.COM
400003	DERR	PATTI	5050 FARAON	SAVANNAH	MO	64485	660-987-9876	PATTID@PATTID.COM

```
SELECT * FROM COUNTRY;
```

CNTRY_ID	CNTRY_NAME
101	UNITED STATES
102	CHINA
103	FRANCE

```
SELECT * FROM CATEGORY;
```

CATGORY_ID	CATGORY_NAME
201	Sci-fi
202	ROMANCE
203	ACTION

```
SELECT * FROM DIRECTORS;
```

DIR_ID	DIR_LNAME	DIR_FNAME	DIR_BDATE	DIR_DDATE	DIR	CNTRY_ID
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100001	TOKAR	NORMAN	25-NOV-19	06-APR-79	M	101
100002	JEUNET	JEAN-PIERRE	03-SEP-53		M	103
100003	LEE	ANG	23-OCT-54		M	102

SELECT \* FROM STARS;

STAR_ID	STAR_LNAME	STAR_FNAME	STAR_BDATE	STAR_DDATE	STA	CNTRY_ID	PLACE_BRN	CAUSE_DEATH
300001	DUNCAN	SANDY	20-FEB-46		F	101	TEXAS	
300002	YUN-FAT	CHOW	18-MAY-55		M	102	HONG KONG	
300003	TAUTOU	AUDREY	09-AUG-76		M	103	BEAUMONT	

SELECT \* FROM MOVIES;

MOV_ID	MOV_TITLE	MOV_YEAR	MOV_RATING	MOV_LENGTH	NUM_AWARDS	WW_GROSS	US_GROSS	CATGRY_ID	CNTRY_ID	DIR_ID
200001	AMELIE	2001	R	122	54	33201661	173921954	202	103	100002
200002	CAT FROM OUTER SPACE	1978	G	104				201	101	100001
200003	CROUCHING TIGER, HIDDEN DRAGON	2000	PG-13	120	87	128067808	213525736	203	102	100003

SELECT \* FROM STAR\_AWARDS;

MOV_ID	STAR_ID	BES	BES	SUP	SUP
200001	300003		W		
200002	300001				N
200003	300002			W	

SELECT \* FROM DIR\_AWARDS;

MOV_ID	DIR_ID	BES
200001	100002	W
200002	100001	N
200003	100003	W

SELECT \* FROM INVOICE;

INV_NUM	CUST_ID	MOV_ID	INV_DATE	RETURN_DATE	RENT_FEE	PAY_TY
500001	400002	200001	19-APR-13	21-APR-13	6	CK
500002	400001	200003	12-MAR-13	14-MAR-13	10	CH
500003	400003	200002	05-FEB-13	07-FEB-13	20	CC

SELECT \* FROM RENTED;

RENTED_ID	INV_NUM	MOV_ID
600001	500001	200001
600002	500002	200003
600003	500003	200002