



```
DROP TABLE PREFERRED_GENRE CASCADE CONSTRAINTS;
DROP TABLE SUBSCRIPTION CASCADE CONSTRAINTS;
DROP TABLE SUBSCRIBED CASCADE CONSTRAINTS;
DROP TABLE SUBSCRIPTION_TITLE CASCADE CONSTRAINTS;
```

-----

```
--                                ** TABLE CREATIONS **
```

```
CREATE TABLE GENRE(
  GENRE_ID INTEGER,
  GENRE_NAME VARCHAR(30),
  PRIMARY KEY (GENRE_ID)
);
```

```
CREATE TABLE TV_RATING(
  TV_RATING_ID INTEGER,
  RATING_NAME VARCHAR(30),
  RATING_DESCRIPTION VARCHAR(150),
  PRIMARY KEY (TV_RATING_ID)
);
```

```
CREATE TABLE TITLE(
  TITLE_ID INTEGER,
  TITLE_NAME VARCHAR(100),
  TV_RATING_ID INTEGER,
  IMDB_RATING DECIMAL(3,1),
  TITLE_DESCRIPTION VARCHAR(200),
```

```
RELEASE_YEAR NUMERIC(4),  
RUN_TIME INTEGER,  
THUMBNAIL_LOCATION VARCHAR(4000),  
PRIMARY KEY (TITLE_ID),  
FOREIGN KEY (TV_RATING_ID) REFERENCES TV_RATING (TV_RATING_ID)  
);
```

```
CREATE TABLE TITLE_CATEGORY(  
GENRE_ID INTEGER,  
TITLE_ID INTEGER,  
PRIMARY KEY (GENRE_ID, TITLE_ID),  
FOREIGN KEY (GENRE_ID) REFERENCES GENRE (GENRE_ID),  
FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID)  
);
```

```
CREATE TABLE ARTIST(  
ARTIST_ID INTEGER,  
ARTIST_NAME VARCHAR(30),  
ARTIST_DOB DATE,  
PRIMARY KEY (ARTIST_ID)  
);
```

```
CREATE TABLE AWARD(  
AWARD_ID INTEGER,  
TITLE_ID INTEGER,  
ARTIST_ID INTEGER,  
AWARD_NAME VARCHAR(500),  
A_CATEGORY VARCHAR(500),  
WON CHAR(3) CHECK (WON IN ('Yes', 'No')),
```

```
PRIMARY KEY (AWARD_ID),  
FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID),  
FOREIGN KEY (ARTIST_ID) REFERENCES ARTIST (ARTIST_ID)  
);
```

```
CREATE TABLE ARTIST_ROLE(  
ROLE_ID INTEGER,  
ROLE_NAME VARCHAR(30),  
PRIMARY KEY (ROLE_ID)  
);
```

```
CREATE TABLE TITLE_ROLE(  
T_ROLE_ID INTEGER,  
ARTIST_ID INTEGER,  
TITLE_ID INTEGER,  
ROLE_ID INTEGER,  
PRIMARY KEY (T_ROLE_ID),  
CONSTRAINT FK_TITLE_ROLE_ARTIST_ID FOREIGN KEY (ARTIST_ID) REFERENCES ARTIST (ARTIST_ID),  
CONSTRAINT FK_TITLE_ROLE_TITLE_ID FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID),  
CONSTRAINT FK_TITLE_ROLE_ROLE_ID FOREIGN KEY (ROLE_ID) REFERENCES ARTIST_ROLE (ROLE_ID)  
);
```

```
CREATE TABLE TV_SHOW(  
TITLE_ID INTEGER,  
SEASON_NO INTEGER,  
EPISODE_NO INTEGER,  
EPISODE_TITLE VARCHAR(50),  
PRIMARY KEY (TITLE_ID,SEASON_NO,EPISODE_NO),
```

```
FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID)
);
```

```
CREATE TABLE APP_USER(
  USER_ID INTEGER,
  USER_LASTNAME VARCHAR(15),
  USER_FIRSTNAME VARCHAR(15),
  USER_PHONE VARCHAR(15),
  USER_EMAIL_ADDRESS VARCHAR(50),
  PASSWORD_HASH VARCHAR(50),
  PAYMENT_METHOD VARCHAR(50),
  PRIMARY KEY (USER_ID)
);
```

```
CREATE TABLE PREFERRED_TITLE(
  USER_ID INTEGER,
  TITLE_ID INTEGER,
  PRIMARY KEY (USER_ID, TITLE_ID),
  FOREIGN KEY (USER_ID) REFERENCES APP_USER (USER_ID),
  FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID)
);
```

```
CREATE TABLE PREFERRED_ARTIST(
  USER_ID INTEGER,
  ARTIST_ID INTEGER,
  PRIMARY KEY (USER_ID, ARTIST_ID),
  FOREIGN KEY (USER_ID) REFERENCES APP_USER (USER_ID),
  FOREIGN KEY (ARTIST_ID) REFERENCES ARTIST (ARTIST_ID)
);
```

```
CREATE TABLE PREFERRED_GENRE(  
  USER_ID INTEGER,  
  GENRE_ID INTEGER,  
  PRIMARY KEY (USER_ID, GENRE_ID),  
  FOREIGN KEY (USER_ID) REFERENCES APP_USER (USER_ID),  
  FOREIGN KEY (GENRE_ID) REFERENCES GENRE (GENRE_ID)  
);
```

```
CREATE TABLE SUBSCRIPTION(  
  SUBSCRIPTION_ID INTEGER,  
  SUBSCRIPTION_NAME VARCHAR(50),  
  PRIMARY KEY (SUBSCRIPTION_ID)  
);
```

```
CREATE TABLE SUBSCRIBED(  
  SUBSCRIBED_ID INTEGER,  
  USER_ID INTEGER,  
  SUBSCRIPTION_ID INTEGER,  
  PRIMARY KEY (SUBSCRIBED_ID),  
  FOREIGN KEY (USER_ID) REFERENCES APP_USER (USER_ID),  
  FOREIGN KEY (SUBSCRIPTION_ID) REFERENCES SUBSCRIPTION (SUBSCRIPTION_ID)  
);
```

```
CREATE TABLE SUBSCRIPTION_TITLE(  
  SUBSCRIPTION_ID INTEGER,  
  TITLE_ID INTEGER,  
  DATE_ADDED DATE,
```

```
EXPIRATION_DATE DATE,  
PRIMARY KEY (SUBSCRIPTION_ID, TITLE_ID),  
FOREIGN KEY (SUBSCRIPTION_ID) REFERENCES SUBSCRIPTION (SUBSCRIPTION_ID),  
FOREIGN KEY (TITLE_ID) REFERENCES TITLE (TITLE_ID)  
);
```

-----

```
--                ** TABLE INSERTS **
```

```
INSERT INTO GENRE VALUES('100','Action And Adventure');  
INSERT INTO GENRE VALUES('101','Anime');  
INSERT INTO GENRE VALUES('102','Children And Family');  
INSERT INTO GENRE VALUES('103','Comedies');  
INSERT INTO GENRE VALUES('104','Critically-acclaimed');  
INSERT INTO GENRE VALUES('105','Documentaries');  
INSERT INTO GENRE VALUES('106','Dramas');  
INSERT INTO GENRE VALUES('107','Horror');  
INSERT INTO GENRE VALUES('108','Independent');  
INSERT INTO GENRE VALUES('109','International');  
INSERT INTO GENRE VALUES('110','Musicals');  
INSERT INTO GENRE VALUES('111','Romantic');  
INSERT INTO GENRE VALUES('112','Sci-fi And Fantasy');  
INSERT INTO GENRE VALUES('113','Standup Comedy');  
INSERT INTO GENRE VALUES('114','Thrillers');
```

```
INSERT INTO TV_RATING  
VALUES('1','TV-Y','This program is designed to be appropriate for all children.');
```

```

INSERT INTO TV_RATING
VALUES('2','TV-Y7','This program is designed for children age 7 and above.');
```

```

INSERT INTO TV_RATING
VALUES('3','TV-G','Programs suitable for all ages.');
```

```

INSERT INTO TV_RATING
VALUES('4','TV-PG','This program contains material that parents may find unsuitable for younger children');
```

```

INSERT INTO TV_RATING
VALUES('5','TV-14','This program contains some material that many parents would find unsuitable for children under 14 years of age.');
```

```

INSERT INTO TV_RATING
VALUES('6','TV-MA','This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.');
```

```

INSERT INTO TITLE VALUES('1000','The Spy Next Door','4','6.1',
```

```

    'A former spy tries child care until he is drawn back to the
game.','2010','94','ftp://movieserver/spynextdoor.jpg');
```

```

INSERT INTO TITLE VALUES('1001','Pokemon the Series','2','8.7',
```

```

    'New friends, new Pokemon and new foes await in an island
paradise','2018',NULL,'ftp://movieserver/pokemon.jpg');
```

```

INSERT INTO TITLE VALUES('1002','The Flintstones','4','9.1',
```

```

    'The Flintstones hit the big screen in this live-action
comedy.','1994','90','ftp://movieserver/flintstones.jpg');
```

```

INSERT INTO TITLE VALUES('1003','Seth Rogen: Hilarity for Charity','6','7.9',
```

```

    'Part stand-up. Part sketchy comedy. All for laughs.','2018','70','ftp://movieserver/standup.jpg');
```

```

INSERT INTO TITLE VALUES('1004','Planet Earth','3','10',
```

```

    'The lush landscapes of our planet play host to dramas that boggle the
mind.','2017',NULL,'ftp://movieserver/planetearth.jpg');
```

```

INSERT INTO TITLE VALUES('1005','The Truman Show','4','5.1',
```

```

    'He prunes his garden, goes to work, and occasionally falls in
love.','1998','103','ftp://movieserver/truman.jpg');
```



INSERT INTO TITLE VALUES('1006','Deep Blue Sea','5','6.3',

'Scientists whose research made sharks even more deadly have to live with their mistake.','1999','104','ftp://movieserver/dbs.jpg');

INSERT INTO TITLE VALUES('1007','Come Sunday','5','3.1',

'Now its the turn of the preacher to wander in the wilderness','2018','105','ftp://movieserver/sunday.jpg');

INSERT INTO TITLE VALUES('1008','Teletubbies','1','9',

'The teletubbies sing all your favorite nursery rhymes.','2016',NULL,'ftp://movieserver/tt.jpg');

INSERT INTO TITLE VALUES('1009','Moana','4','7.1',

'Her father says its too risky, but nothing can stop Moana!','2016','107','ftp://movieserver/moana.jpg');

INSERT INTO TITLE VALUES('1010','Along Came Polly','5','5.5',

'A cautious bachelor falls for a freewheeling girl and befriends a ferret.','2004','90','ftp://movieserver/polly.jpg');

INSERT INTO TITLE VALUES('1011','Doctor Strange','5','8.6',

'A neurosurgeon loses use of his hands meets a mystical mentor.','2016','115','ftp://movieserver/drstrange.jpg');

INSERT INTO TITLE VALUES('1012','Bright','6','6.7',

'He is stuck with a partner nobody wants, in a city on edge.','2017','117','ftp://movieserver/bright.jpg');

INSERT INTO TITLE VALUES('1013','Russell Peters: Almost Famous','6','9.2',

'Russell Peters brilliant stand up.','2016','73','ftp://movieserver/russell.jpg');

INSERT INTO TITLE VALUES('1014','The Titan','6','4.6',

'He is the last hope to save the future of humanity','2018','107','ftp://movieserver/titan.jpg');

INSERT INTO TITLE\_CATEGORY VALUES('100','1000');

INSERT INTO TITLE\_CATEGORY VALUES('101','1001');

INSERT INTO TITLE\_CATEGORY VALUES('102','1002');

INSERT INTO TITLE\_CATEGORY VALUES('103','1003');

INSERT INTO TITLE\_CATEGORY VALUES('105','1004');

```
INSERT INTO TITLE_CATEGORY VALUES('106','1005');
INSERT INTO TITLE_CATEGORY VALUES('107','1006');
INSERT INTO TITLE_CATEGORY VALUES('108','1007');
INSERT INTO TITLE_CATEGORY VALUES('110','1008');
INSERT INTO TITLE_CATEGORY VALUES('110','1009');
INSERT INTO TITLE_CATEGORY VALUES('111','1010');
INSERT INTO TITLE_CATEGORY VALUES('112','1011');
INSERT INTO TITLE_CATEGORY VALUES('112','1012');
INSERT INTO TITLE_CATEGORY VALUES('113','1013');
INSERT INTO TITLE_CATEGORY VALUES('114','1014');
```

```
INSERT INTO ARTIST VALUES('501','Jackie Chan','12-Apr-1970');
INSERT INTO ARTIST VALUES('502','Sarah Natochenny','12-Apr-1990');
INSERT INTO ARTIST VALUES('503','John Goodman','03-Jan-1957');
INSERT INTO ARTIST VALUES('504','Seth Rogen','12-Apr-1985');
INSERT INTO ARTIST VALUES('505','David Attenborough','08-May-1926');
INSERT INTO ARTIST VALUES('506','Jim Carrey','12-Apr-1977');
INSERT INTO ARTIST VALUES('507','Thomas Jane','12-Apr-1970');
INSERT INTO ARTIST VALUES('508','Chiwetel Ejiofor','12-Apr-1981');
INSERT INTO ARTIST VALUES('509','John Simmit','12-Apr-1992');
INSERT INTO ARTIST VALUES('510','Dave Thompson','12-Apr-1969');
INSERT INTO ARTIST VALUES('511','Dwayne Johnson','12-Apr-1969');
INSERT INTO ARTIST VALUES('512','John Musker','12-Apr-1989');
INSERT INTO ARTIST VALUES('513','Ben Stiller','12-Apr-1967');
INSERT INTO ARTIST VALUES('514','John Hamburg','12-Apr-1981');
INSERT INTO ARTIST VALUES('515','Benedict Cumberbatch','12-Apr-1975');
INSERT INTO ARTIST VALUES('516','Will Smith','12-Apr-1980');
INSERT INTO ARTIST VALUES('517','David Ayer','12-Apr-1973');
```

```
INSERT INTO ARTIST VALUES('518','Russell Peters','12-Apr-1973');
INSERT INTO ARTIST VALUES('519','Dava Higby','12-Apr-1987');
INSERT INTO ARTIST VALUES('520','Sam Worthington','12-Apr-1984');
INSERT INTO ARTIST VALUES('521','Lennart Ruff','12-Apr-1974');
INSERT INTO ARTIST VALUES('522','Scott Derrickson','12-Apr-1975');
```

```
INSERT INTO AWARD VALUES('1','1000','501','Academy Awards','Honorary Award','Yes');
INSERT INTO AWARD VALUES('2','1002','503','Golden Globe Award','Best Actor','No');
INSERT INTO AWARD VALUES('3','1003','504','Academy Awards','Best Musical Moment','Yes');
INSERT INTO AWARD VALUES('4','1004','505','British Academy TV Award','Best Specialist Factual','No');
INSERT INTO AWARD VALUES('5','1004','505','News And Documentary Emmy Award','Outstanding Writing','No');
INSERT INTO AWARD VALUES('6','1005','506','Golden Globe Award','Best Actor','No');
INSERT INTO AWARD VALUES('7','1009','511','Kids Choice Award','Favorite Movie Star','Yes');
INSERT INTO AWARD VALUES('8','1011','515','Primetime Emmy Award','Outstanding Lead Actor in a Limited Series or a Movie','Yes');
INSERT INTO AWARD VALUES('9','1012','516','MTV Movie Award','Best Fight','Yes');
INSERT INTO AWARD VALUES('10','1013','521','Gemini Award','Best Performance or Host in a Variety Program or Series','No');
```

```
INSERT INTO ARTIST_ROLE VALUES('10','Actor');
INSERT INTO ARTIST_ROLE VALUES('11','Director');
INSERT INTO ARTIST_ROLE VALUES('12','Producer');
INSERT INTO ARTIST_ROLE VALUES('13','Singer');
```

```
INSERT INTO TITLE_ROLE VALUES('100','501','1000','10');
INSERT INTO TITLE_ROLE VALUES('101','502','1001','10');
```

```
INSERT INTO TITLE_ROLE VALUES('102','503','1002','10');
INSERT INTO TITLE_ROLE VALUES('103','504','1003','10');
INSERT INTO TITLE_ROLE VALUES('104','505','1004','10');
INSERT INTO TITLE_ROLE VALUES('105','505','1005','11');
INSERT INTO TITLE_ROLE VALUES('106','506','1006','10');
INSERT INTO TITLE_ROLE VALUES('107','507','1007','10');
INSERT INTO TITLE_ROLE VALUES('108','508','1008','10');
INSERT INTO TITLE_ROLE VALUES('109','509','1009','10');
INSERT INTO TITLE_ROLE VALUES('110','510','1010','10');
INSERT INTO TITLE_ROLE VALUES('111','511','1011','10');
INSERT INTO TITLE_ROLE VALUES('112','512','1012','10');
INSERT INTO TITLE_ROLE VALUES('113','513','1013','10');
INSERT INTO TITLE_ROLE VALUES('114','514','1014','10');
INSERT INTO TITLE_ROLE VALUES('115','514','1014','13');
INSERT INTO TITLE_ROLE VALUES('116','505','1004','11');
```

```
INSERT INTO TV_SHOW VALUES('1001','1','1','Pokemon is born');
INSERT INTO TV_SHOW VALUES('1001','1','2','Pokemon is undefeated');
INSERT INTO TV_SHOW VALUES('1001','2','1','Pokemon wins');
INSERT INTO TV_SHOW VALUES('1001','2','2','Pokemon goes to town');
INSERT INTO TV_SHOW VALUES('1001','3','1','Pokemon in danger');
INSERT INTO TV_SHOW VALUES('1001','3','2','Pokemon is a star');
INSERT INTO TV_SHOW VALUES('1003','1','1','HFC:Episode 1');
INSERT INTO TV_SHOW VALUES('1003','1','2','HFC:Episode 2');
INSERT INTO TV_SHOW VALUES('1004','1','1','Planet Earth I');
INSERT INTO TV_SHOW VALUES('1004','1','2','Planet Earth II');
INSERT INTO TV_SHOW VALUES('1008','1','1','Teletubbies say Hi!');
INSERT INTO TV_SHOW VALUES('1008','1','2','Teletubbies ride around the hill');
```

```
INSERT INTO TV_SHOW VALUES('1008','1','3','Teletubbies visit grandpa');
INSERT INTO TV_SHOW VALUES('1008','2','1','Teletubbies sing and dance');
INSERT INTO TV_SHOW VALUES('1008','2','2','Teletubbies learn a lesson');
INSERT INTO TV_SHOW VALUES('1008','2','3','Teletubbies love vegetables');
INSERT INTO TV_SHOW VALUES('1013','3','1','Teletubbies are back');
INSERT INTO TV_SHOW VALUES('1008','3','2','Teletubbies run and play');
INSERT INTO TV_SHOW VALUES('1008','3','3','Teletubbies go to school');
```

```
INSERT INTO APP_USER
VALUES('1','Haward','Jim','2036659976','jim.haward@gmail.com','kjignmsm','Visa card');

INSERT INTO APP_USER VALUES('2','Tails','Ruth','3476197634','ruthtails@outlook.com','yfjufhs','Visa
card');

INSERT INTO APP_USER
VALUES('3','Keller','Amanda','2036482954','amanda.keller@gmail.com','ggfcuhhgvgdv','Master card');

INSERT INTO APP_USER VALUES('4','Stein','Garry','3472946295','garry.stein@gmail.com','ggcdgdfh','Visa
card');

INSERT INTO APP_USER
VALUES('5','Talgate','Felix','2038620568','felix.talgate@yahoo.com','bhvjdb','Visa card');

INSERT INTO APP_USER
VALUES('6','Maver','Dennis','2038551956','dennis.maver1987@gmail.com','hhgvufhis','Master card');

INSERT INTO APP_USER
VALUES('7','Vaultier','Barbara','3470938562','barb.vault@gmail.com','ugidfjoejf','Visa card');

INSERT INTO APP_USER
VALUES('8','Chaffer','Zelda','2038664942','zelda_chaffer@gmail.com','ljluj8y','Visa card');

INSERT INTO APP_USER
VALUES('9','Walls','Kelly','3470593749','walls.kelly@outlook.com','kiumkgf','Master card');

INSERT INTO APP_USER VALUES('10','Lane','Ava','2038682957','ava.lane@outlook.com','lkjifhua','Visa
card');

INSERT INTO APP_USER
VALUES('11','Marius','Olivia','2038673758','olivia.marius@outlook.com','kjiudfy','Visa card');

INSERT INTO APP_USER
VALUES('12','Parker','Kate','3470685848','parker.kate@outlook.com','kjjheufy','Visa card');
```

```
INSERT INTO APP_USER
VALUES('13','Grace','Hazel','2039687567','hazel.grace@outlook.com','sdffty','Visa card');

INSERT INTO APP_USER
VALUES('14','Page','Riley','2038654897','riley.page@outlook.com','eerrgejiysws','Master card');

INSERT INTO APP_USER
VALUES('15','Winter','Tom','3479756975','tom.winter@gmail.com','jmhieyfyusfsu','Visa card');
```

```
INSERT INTO PREFERRED_TITLE VALUES('1','1000');
INSERT INTO PREFERRED_TITLE VALUES('2','1001');
INSERT INTO PREFERRED_TITLE VALUES('3','1002');
INSERT INTO PREFERRED_TITLE VALUES('4','1003');
INSERT INTO PREFERRED_TITLE VALUES('5','1004');
INSERT INTO PREFERRED_TITLE VALUES('6','1005');
INSERT INTO PREFERRED_TITLE VALUES('7','1006');
INSERT INTO PREFERRED_TITLE VALUES('8','1007');
INSERT INTO PREFERRED_TITLE VALUES('9','1008');
INSERT INTO PREFERRED_TITLE VALUES('10','1009');
INSERT INTO PREFERRED_TITLE VALUES('11','1010');
INSERT INTO PREFERRED_TITLE VALUES('12','1011');
INSERT INTO PREFERRED_TITLE VALUES('13','1012');
INSERT INTO PREFERRED_TITLE VALUES('14','1012');
INSERT INTO PREFERRED_TITLE VALUES('15','1014');
```

```
INSERT INTO PREFERRED_ARTIST VALUES('1','501');
INSERT INTO PREFERRED_ARTIST VALUES('2','502');
INSERT INTO PREFERRED_ARTIST VALUES('3','503');
INSERT INTO PREFERRED_ARTIST VALUES('4','504');
INSERT INTO PREFERRED_ARTIST VALUES('5','505');
```

```
INSERT INTO PREFERRED_ARTIST VALUES('6','506');
INSERT INTO PREFERRED_ARTIST VALUES('7','507');
INSERT INTO PREFERRED_ARTIST VALUES('8','508');
INSERT INTO PREFERRED_ARTIST VALUES('9','509');
INSERT INTO PREFERRED_ARTIST VALUES('10','510');
INSERT INTO PREFERRED_ARTIST VALUES('11','511');
INSERT INTO PREFERRED_ARTIST VALUES('12','512');
INSERT INTO PREFERRED_ARTIST VALUES('13','512');
INSERT INTO PREFERRED_ARTIST VALUES('14','516');
INSERT INTO PREFERRED_ARTIST VALUES('15','518');
```

```
INSERT INTO PREFERRED_GENRE VALUES('1','100');
INSERT INTO PREFERRED_GENRE VALUES('2','101');
INSERT INTO PREFERRED_GENRE VALUES('3','102');
INSERT INTO PREFERRED_GENRE VALUES('4','103');
INSERT INTO PREFERRED_GENRE VALUES('5','104');
INSERT INTO PREFERRED_GENRE VALUES('6','105');
INSERT INTO PREFERRED_GENRE VALUES('7','106');
INSERT INTO PREFERRED_GENRE VALUES('8','107');
INSERT INTO PREFERRED_GENRE VALUES('9','108');
INSERT INTO PREFERRED_GENRE VALUES('10','109');
INSERT INTO PREFERRED_GENRE VALUES('11','110');
INSERT INTO PREFERRED_GENRE VALUES('12','111');
INSERT INTO PREFERRED_GENRE VALUES('13','112');
INSERT INTO PREFERRED_GENRE VALUES('14','113');
INSERT INTO PREFERRED_GENRE VALUES('15','114');
```

```
INSERT INTO SUBSCRIPTION VALUES('1','Netflix');
INSERT INTO SUBSCRIPTION VALUES('2','Amazon Prime');
INSERT INTO SUBSCRIPTION VALUES('3','Hulu');
INSERT INTO SUBSCRIPTION VALUES('4','HBO Now');
INSERT INTO SUBSCRIPTION VALUES('5','Direct TV');
```

```
INSERT INTO SUBSCRIBED VALUES('50','1','1');
INSERT INTO SUBSCRIBED VALUES('51','1','2');
INSERT INTO SUBSCRIBED VALUES('52','2','1');
INSERT INTO SUBSCRIBED VALUES('53','2','3');
INSERT INTO SUBSCRIBED VALUES('54','3','2');
INSERT INTO SUBSCRIBED VALUES('55','4','1');
INSERT INTO SUBSCRIBED VALUES('56','5','1');
INSERT INTO SUBSCRIBED VALUES('57','6','1');
INSERT INTO SUBSCRIBED VALUES('58','7','1');
INSERT INTO SUBSCRIBED VALUES('59','8','4');
INSERT INTO SUBSCRIBED VALUES('60','9','3');
INSERT INTO SUBSCRIBED VALUES('61','10','5');
INSERT INTO SUBSCRIBED VALUES('62','10','2');
INSERT INTO SUBSCRIBED VALUES('63','11','1');
INSERT INTO SUBSCRIBED VALUES('64','12','1');
INSERT INTO SUBSCRIBED VALUES('65','12','5');
INSERT INTO SUBSCRIBED VALUES('66','13','1');
INSERT INTO SUBSCRIBED VALUES('67','14','1');
INSERT INTO SUBSCRIBED VALUES('68','14','3');
INSERT INTO SUBSCRIBED VALUES('69','15','1');
```



```
INSERT INTO SUBSCRIPTION_TITLE VALUES('1','1000','12-Apr-2017','12-May-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('1','1002','12-Apr-2015','12-Nov-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('1','1003','12-Apr-2014','12-May-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('2','1001','12-Apr-2014','12-May-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('2','1007','12-Apr-2016','12-Apr-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('2','1009','12-Apr-2017','12-Apr-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('3','1011','12-Apr-2017','12-Apr-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('3','1009','12-Apr-2017','12-May-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('3','1010','12-Apr-2013','12-Apr-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1013','12-Apr-2013','12-Aug-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1014','12-Apr-2013','12-Jun-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1008','12-Apr-2011','12-Apr-2012');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1002','12-Apr-2011','12-Apr-2013');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1012','12-Apr-2011','12-May-2014');
INSERT INTO SUBSCRIPTION_TITLE VALUES('4','1001','12-Apr-2015','12-Apr-2016');
INSERT INTO SUBSCRIPTION_TITLE VALUES('5','1000','12-Apr-2015','12-Apr-2017');
INSERT INTO SUBSCRIPTION_TITLE VALUES('5','1002','12-Apr-2015','12-Jun-2018');
INSERT INTO SUBSCRIPTION_TITLE VALUES('5','1014','12-Apr-2015','12-Apr-2017');
INSERT INTO SUBSCRIPTION_TITLE VALUES('5','1011','12-Apr-2015','12-Aug-2018');
```

---

```
--          ** TABLE QUERYING **
```

```
DESCRIBE GENRE;
```

```
SELECT * FROM GENRE;
```

```
DESCRIBE TV_RATING;
```

```
SELECT * FROM TV_RATING;
```

```
DESCRIBE TITLE;
```

```
SELECT * FROM TITLE;
```

```
DESCRIBE TITLE_CATEGORY;
```

```
SELECT * FROM TITLE_CATEGORY;
```

```
DESCRIBE ARTIST;
```

```
SELECT * FROM ARTIST;
```

```
DESCRIBE AWARD;
```

```
SELECT * FROM AWARD;
```

```
DESCRIBE ARTIST_ROLE;
```

```
SELECT * FROM ARTIST_ROLE;
```

```
DESCRIBE TITLE_ROLE;
```

```
SELECT * FROM TITLE_ROLE;
```

```
DESCRIBE TV_SHOW;
```

```
SELECT * FROM TV_SHOW;
```

```
DESCRIBE APP_USER;
```

```
SELECT * FROM APP_USER;
```

```
DESCRIBE PREFERRED_TITLE;
```

```
SELECT * FROM PREFERRED_TITLE;
```

```
DESCRIBE PREFERRED_ARTIST;  
SELECT * FROM PREFERRED_ARTIST;
```

```
DESCRIBE PREFERRED_GENRE;  
SELECT * FROM PREFERRED_GENRE;
```

```
DESCRIBE SUBSCRIPTION;  
SELECT * FROM SUBSCRIPTION;
```

```
DESCRIBE SUBSCRIBED;  
SELECT * FROM SUBSCRIBED;
```

```
DESCRIBE SUBSCRIPTION_TITLE;  
SELECT * FROM SUBSCRIPTION_TITLE;
```

```
--1. Who is the most liked artist?  
SELECT AR.ARTIST_NAME FROM (  
    SELECT ARTIST_ID, COUNT(*) NO_PREFERENCE  
    FROM PREFERRED_ARTIST  
    GROUP BY ARTIST_ID  
    ORDER BY NO_PREFERENCE DESC) PR  
JOIN ARTIST AR ON AR.ARTIST_ID = PR.ARTIST_ID  
WHERE ROWNUM = 1;
```

```
--2. List all the award winning TV shows  
SELECT DISTINCT T.TITLE_NAME FROM  
TITLE T JOIN
```

```
TV_SHOW TS ON T.TITLE_ID = TS.TITLE_ID JOIN  
AWARD AW ON TS.TITLE_ID = AW.TITLE_ID;
```

--3. List the titles in which the director is also the actor

```
SELECT TITLE_NAME FROM  
TITLE T JOIN  
TITLE_ROLE TR ON T.TITLE_ID = TR.TITLE_ID JOIN  
ARTIST_ROLE AR ON TR.ROLE_ID = AR.ROLE_ID  
WHERE AR.ROLE_NAME = 'Director'  
INTERSECT  
SELECT TITLE_NAME FROM  
TITLE T JOIN  
TITLE_ROLE TR ON T.TITLE_ID = TR.TITLE_ID JOIN  
ARTIST_ROLE AR ON TR.ROLE_ID = AR.ROLE_ID  
WHERE AR.ROLE_NAME = 'Actor';
```

--4. List the movies played by John Hamburg rated above 3.5

```
SELECT DISTINCT T.TITLE_NAME FROM  
TITLE T JOIN  
TITLE_ROLE TR ON T.TITLE_ID = TR.TITLE_ID JOIN  
ARTIST AR ON TR.ARTIST_ID = AR.ARTIST_ID LEFT JOIN  
TV_SHOW TS ON T.TITLE_ID = TS.TITLE_ID  
WHERE T.IMDB_RATING > '3.5'  
AND AR.ARTIST_NAME = 'John Hamburg'  
AND TS.TITLE_ID IS NULL;
```

-- 5. Which actor has won most awards

```
SELECT ART.ARTIST_NAME FROM(
    SELECT TR.ARTIST_ID, COUNT(*) AWARD_COUNT FROM
    TITLE T JOIN
    TITLE_ROLE TR ON T.TITLE_ID = TR.TITLE_ID JOIN
    ARTIST_ROLE AR ON TR.ROLE_ID = AR.ROLE_ID JOIN
    AWARD AW ON T.TITLE_ID = AW.TITLE_ID
    WHERE AR.ROLE_NAME = 'Actor'
    GROUP BY TR.ARTIST_ID
    ORDER BY AWARD_COUNT DESC) TAB1 JOIN
ARTIST ART ON TAB1.ARTIST_ID = ART.ARTIST_ID
WHERE ROWNUM = 1;
```

-- 6. Which genre receives the most awards

```
SELECT GENRE_NAME FROM (
    SELECT T.GENRE_ID, COUNT(*) AWARD_COUNT FROM
    TITLE_CATEGORY T JOIN
    AWARD AW ON T.TITLE_ID = AW.TITLE_ID
    GROUP BY T.GENRE_ID
    ORDER BY AWARD_COUNT DESC) TAB1 JOIN
GENRE G ON G.GENRE_ID = TAB1.GENRE_ID
WHERE ROWNUM = 1;
```

-- 7. What is the average IMDB rating for preferred movies for each user

```
SELECT USER_FIRSTNAME || ' ' || USER_LASTNAME FULLNAME, TAB1.AVG_RATING FROM (
    SELECT PT.USER_ID, AVG(T.IMDB_RATING) AVG_RATING FROM
    PREFERRED_TITLE PT JOIN
```

```
TITLE T ON T.TITLE_ID = PT.TITLE_ID LEFT JOIN
TV_SHOW TV ON T.TITLE_ID = TV.TITLE_ID
WHERE TV.TITLE_ID IS NULL
GROUP BY PT.USER_ID) TAB1 JOIN
APP_USER AU ON TAB1.USER_ID = AU.USER_ID;
```

-- 8. Which is the highest rated award winning TV Show since 1990

```
SELECT TI.TITLE_NAME FROM (
  SELECT T.TITLE_ID, IMDB_RATING FROM
  AWARD AW JOIN
  TV_SHOW TV ON AW.TITLE_ID = AW.TITLE_ID JOIN
  TITLE T ON TV.TITLE_ID = T.TITLE_ID
  ORDER BY IMDB_RATING
) TAB1 JOIN
TITLE TI ON TI.TITLE_ID = TAB1.TITLE_ID
WHERE ROWNUM = 1;
```

-- 9. Pick the actor that has worked in most genres

```
SELECT ARTIST_NAME FROM (
  SELECT ARTIST_ID, COUNT(*) GENRE_COUNT FROM (
    SELECT DISTINCT TR.ARTIST_ID, TC.GENRE_ID FROM
    TITLE_CATEGORY TC JOIN
    TITLE_ROLE TR ON TC.TITLE_ID = TR.TITLE_ID) CAT
  GROUP BY ARTIST_ID
  ORDER BY GENRE_COUNT DESC
) TAB1 JOIN
ARTIST AR ON TAB1.ARTIST_ID = AR.ARTIST_ID
```

```
WHERE ROWNUM = 1;
```

```
-- 10. Which is the most subscribed app
```

```
SELECT SUB.SUBSCRIPTION_NAME FROM (  
    SELECT SU.SUBSCRIPTION_ID, COUNT(*) SUB_COUNT FROM  
    SUBSCRIBED SU  
    GROUP BY SU.SUBSCRIPTION_ID  
    ORDER BY SUB_COUNT  
    ) TAB1 JOIN  
SUBSCRIPTION SUB ON TAB1.SUBSCRIPTION_ID = SUB.SUBSCRIPTION_ID  
WHERE ROWNUM = 1;
```

```
-- 11. Which movie has the longest runtime
```

```
SELECT TITLE_NAME, RUN_TIME FROM  
TITLE  
WHERE RUN_TIME =  
    (SELECT MAX(RUN_TIME) FROM  
    TITLE);
```

```
-- 12. List the titles in Netflix
```

```
SELECT T.TITLE_NAME FROM  
TITLE T JOIN  
SUBSCRIPTION_TITLE ST ON T.TITLE_ID = ST.TITLE_ID JOIN  
SUBSCRIPTION SUB ON ST.SUBSCRIPTION_ID = SUB.SUBSCRIPTION_ID  
WHERE SUB.SUBSCRIPTION_NAME = 'Netflix';
```

-- 13. List titles that exist in more than one subscription

```
SELECT T.TITLE_NAME, COUNT(*) TITLE_COUNT FROM  
SUBSCRIPTION_TITLE ST JOIN  
TITLE T ON T.TITLE_ID = ST.TITLE_ID  
GROUP BY T.TITLE_NAME  
HAVING COUNT(*) > 1;
```

-- 14. Which is the most preferred genre

```
SELECT GENRE_NAME FROM (  
    SELECT GENRE_ID, COUNT(*) PREFERRED_COUNT FROM  
    PREFERRED_GENRE PG  
    GROUP BY GENRE_ID  
    ORDER BY PREFERRED_COUNT DESC) TAB1  
JOIN GENRE G ON G.GENRE_ID = TAB1.GENRE_ID  
WHERE ROWNUM = 1;
```

-- 15. List all the titles that toddlers are allowed to watch.

```
SELECT T.TITLE_NAME FROM  
TITLE T JOIN  
TV_RATING TR ON T.TV_RATING_ID = TR.TV_RATING_ID  
WHERE TR.RATING_NAME = 'TV-Y';
```

-- 16. List the titles that are yet to be expired amongst all subscriptions

```
SELECT DISTINCT T.TITLE_NAME FROM  
SUBSCRIPTION_TITLE ST JOIN
```



```
TITLE T ON T.TITLE_ID = ST.TITLE_ID
WHERE ST.EXPIRATION_DATE > SYSTIMESTAMP;
```

---

```
--                                ** PL/SQL QUERYING **

SET SERVEROUTPUT ON;

-- 1. Print the next title to expire amongst all subscriptions
DECLARE
CURR_TIME TIMESTAMP;
NEXT_TITLE VARCHAR(500);
BEGIN
    CURR_TIME := SYSTIMESTAMP;
    SELECT T.TITLE_NAME INTO NEXT_TITLE FROM
    SUBSCRIPTION_TITLE ST JOIN
    TITLE T ON T.TITLE_ID = ST.TITLE_ID
    WHERE ST.EXPIRATION_DATE = (SELECT MIN(EXPIRATION_DATE)
                                FROM SUBSCRIPTION_TITLE
                                WHERE EXPIRATION_DATE > CURR_TIME)
    AND ROWNUM = 1;
    DBMS_OUTPUT.PUT_LINE(NEXT_TITLE);
END;

-- 2. What percentage of titles have won awards after being nominated
DECLARE
```

```
TOTAL INTEGER;

WON_NUMBER INTEGER;

BEGIN

  SELECT COUNT(*) INTO TOTAL FROM (

    SELECT DISTINCT TITLE_ID FROM

    AWARD) AW;

  SELECT COUNT(*) INTO WON_NUMBER FROM (

    SELECT DISTINCT TITLE_ID FROM

    AWARD WHERE WON = 'Yes') AW;

  DBMS_OUTPUT.PUT_LINE( WON_NUMBER/TOTAL * 100);

END;
```

---

```
** END OF CODE **
```