CREATE TABLE actors (

actor\_id NUMBER PRIMARY KEY,

first\_name VARCHAR2(50),

last\_name VARCHAR2(50)

);

CREATE TABLE movies (

movie\_id NUMBER PRIMARY KEY,

title VARCHAR2(100),

director VARCHAR2(100),

rating NUMBER(3, 2)

);

CREATE TABLE cast (

actor\_id NUMBER,

movie\_id NUMBER,

PRIMARY KEY (actor\_id, movie\_id),

FOREIGN KEY (actor\_id) REFERENCES actors(actor\_id),

FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id)

);

INSERT INTO actors (actor\_id, first\_name, last\_name) VALUES (1, 'Shah Rukh', 'Khan');

INSERT INTO actors (actor\_id, first\_name, last\_name) VALUES (2, 'Amitabh', 'Bachchan');

INSERT INTO actors (actor\_id, first\_name, last\_name) VALUES (3, 'Deepika', 'Padukone');

INSERT INTO actors (actor\_id, first\_name, last\_name) VALUES (4, 'Ranbir', 'Kapoor');

INSERT INTO actors (actor\_id, first\_name, last\_name) VALUES (5, 'Priyanka', 'Chopra');

INSERT INTO movies (movie\_id, title, director, rating) VALUES (101, 'Om Shanti Om', 'Farah Khan', 7.5);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (102, 'Kabhi Alvida Naa Kehna', 'Karan Johar', 6.5);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (103, 'Yeh Jawaani Hai Deewani', 'Ayan Mukerji', 8.0);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (104, 'Chennai Express', 'Rohit Shetty', 6.8);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (105, 'Bajirao Mastani', 'Sanjay Leela Bhansali', 8.5);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (106, 'Inception', 'Christopher Nolan', 8.8);

INSERT INTO movies (movie\_id, title, director, rating) VALUES (107, 'Dunkirk', 'Christopher Nolan', 8.2);

INSERT INTO cast (actor\_id, movie\_id) VALUES (1, 101);

INSERT INTO cast (actor\_id, movie\_id) VALUES (2, 102);

INSERT INTO cast (actor\_id, movie\_id) VALUES (3, 103);

INSERT INTO cast (actor\_id, movie\_id) VALUES (4, 103);

INSERT INTO cast (actor\_id, movie\_id) VALUES (5, 104);

INSERT INTO cast (actor\_id, movie\_id) VALUES (1, 104);

INSERT INTO cast (actor\_id, movie\_id) VALUES (4, 105);

INSERT INTO cast (actor\_id, movie\_id) VALUES (1, 106);

INSERT INTO cast (actor\_id, movie\_id) VALUES (3, 107);

SELECT a.first\_name, a.last\_name, m.title

FROM actors a

INNER JOIN cast c ON a.actor\_id = c.actor\_id

INNER JOIN movies m ON c.movie\_id = m.movie\_id;

SELECT m.title, a.first\_name, a.last\_name

FROM movies m

LEFT JOIN cast c ON m.movie\_id = c.movie\_id

LEFT JOIN actors a ON c.actor\_id = a.actor\_id;

SELECT a.first\_name, a.last\_name, m.title

FROM actors a

LEFT JOIN cast c ON a.actor\_id = c.actor\_id

LEFT JOIN movies m ON c.movie\_id = m.movie\_id;

SELECT m.title, a.first\_name, a.last\_name

FROM movies m

LEFT JOIN cast c ON m.movie\_id = c.movie\_id

LEFT JOIN actors a ON c.actor\_id = a.actor\_id;

SELECT DISTINCT a.first\_name, a.last\_name

FROM actors a

INNER JOIN cast c ON a.actor\_id = c.actor\_id

INNER JOIN movies m ON c.movie\_id = m.movie\_id

WHERE m.director = 'Christopher Nolan';

SELECT m.title

FROM movies m

WHERE m.rating > (SELECT AVG(rating) FROM movies);