# Create Table 1

CREATE TABLE movies (

movie\_id INT NOT NULL PRIMARY KEY,

title VARCHAR(100),

genre VARCHAR(100),

realising\_year INT,

rating DECIMAL(3,1)

);

# insert values in table 1

INSERT INTO movies (movie\_id, title, genre, realising\_year, rating) VALUES

(1, 'Albela', 'Romance', 2001, 3.7),

(2, 'Lagaan', 'Drama', 2001, 8.1),

(3, 'Devdas', 'Romance', 2002, 7.1),

(4, 'yaadein', 'Drama', 2001, 5.1),

(5, 'Masti Express', 'Comedy', 2011, 5.6),

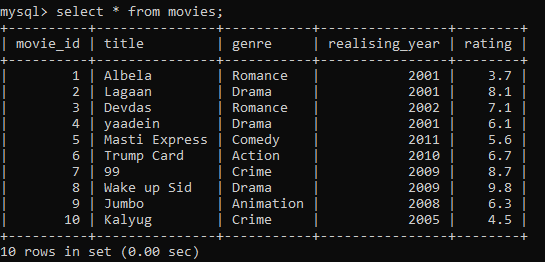
(6, 'Trump Card', 'Action', 2010, 6.7),

(7, '99', 'Crime', 2009, 6.8),

(8, 'Wake up Sid', 'Drama', 2009, 9.3),

(9, 'Jumbo', 'Animation', 2008, 6.3),

(10, 'Kalyug', 'Crime', 2005, 4.5);



# create table 2

CREATE TABLE movie\_details (

detail\_id INT NOT NULL PRIMARY KEY,

movie\_id INT,

director VARCHAR(100),

runtime INT,

box\_office DECIMAL(10,2),

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

);

# insert values in table 2

INSERT INTO movie\_details (detail\_id, movie\_id, director, runtime, box\_office) VALUES

(1, 1, 'Deepak Sareen', 147, 10.52),

(2, 2, 'Ashutosh Gowariker', 224, 65.97),

(3, 3, 'Sanjay Leela Bhansali', 185, 99.88),

(4, 4, 'Shubhash Ghai', 171, 14.65),

(5, 5, 'Laxman Utekar', 111, 0.58),

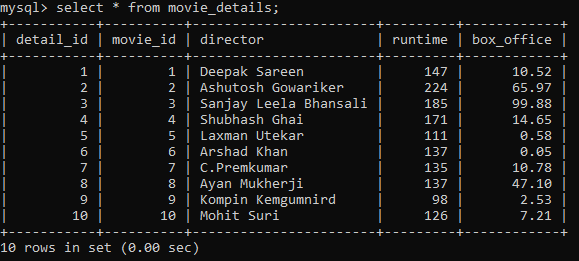
(6, 6, 'Arshad Khan', 137, 0.75),

(7, 7, 'C.Premkumar', 135, 10.78),

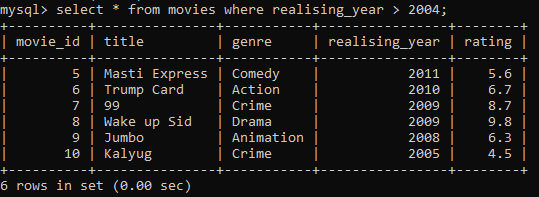
(8, 8, 'Ayan Mukherji', 137, 47.10),

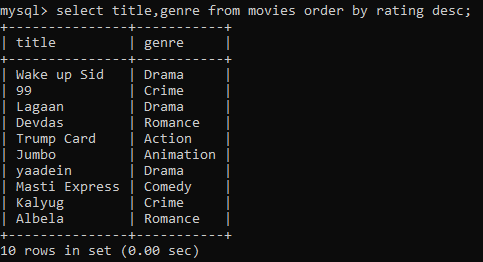
(9, 9, 'Kompin Kemgumird', 98, 2.53),

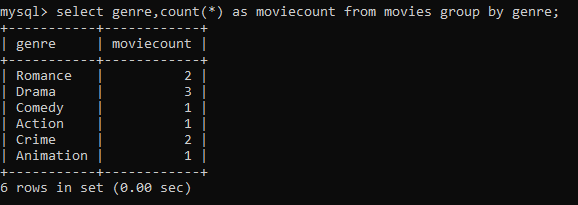
(10, 10, 'Mohit Suri', 126, 7.21);



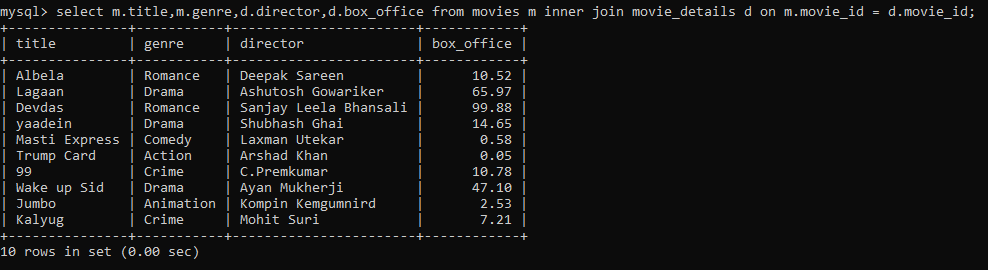
# SELECT, WHERE, GROUP BY, ORDER BY

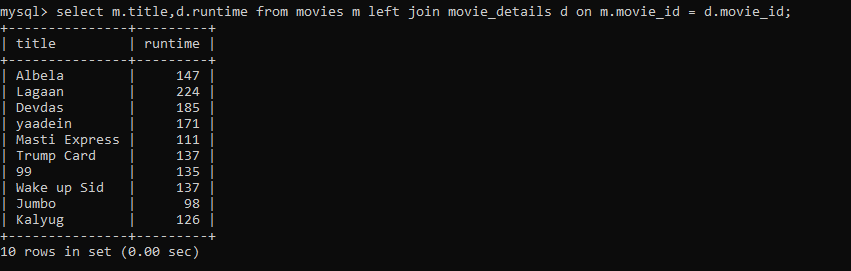


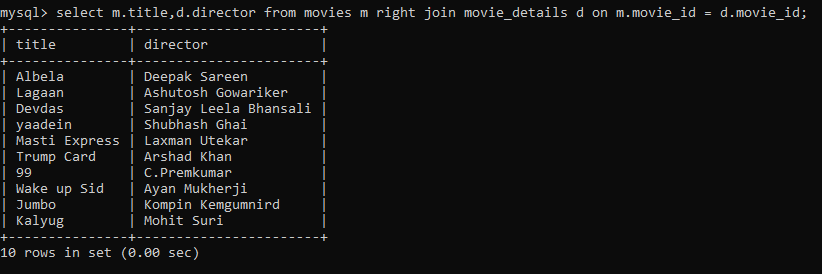




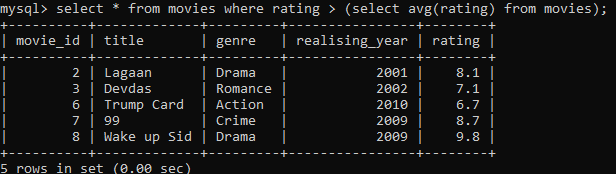
# JOIN operations (INNER, LEFT, RIGHT)

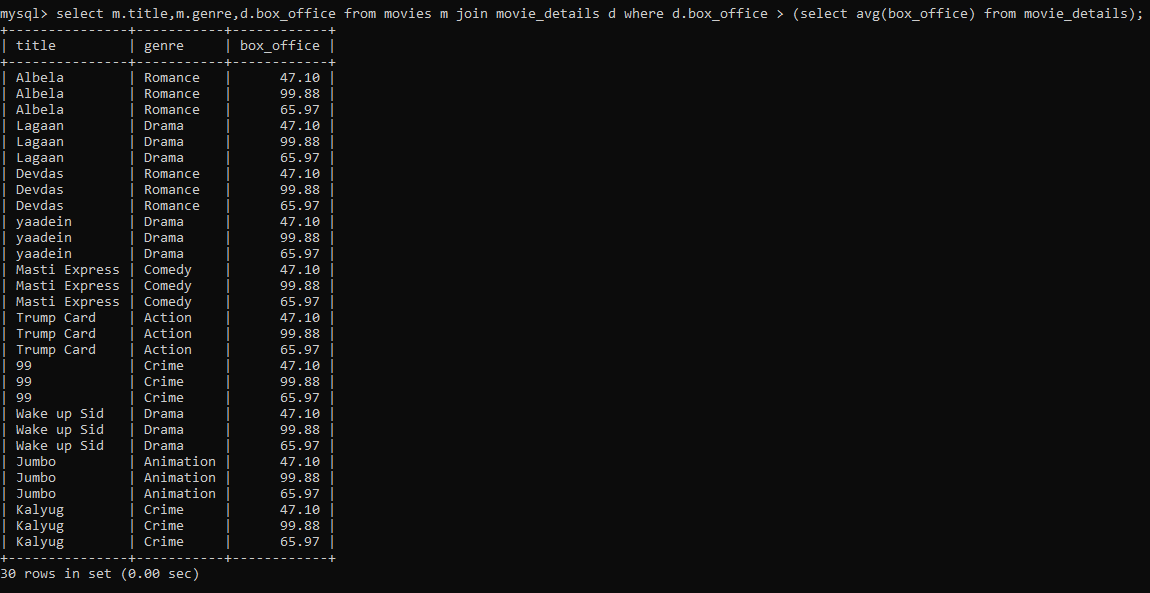




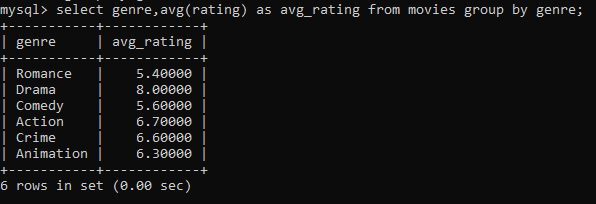


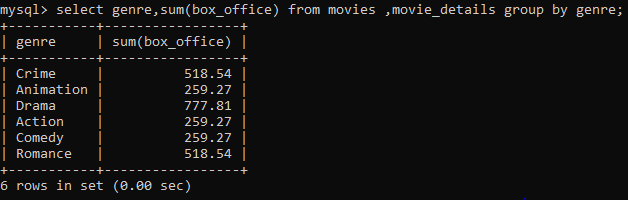
# sub queries

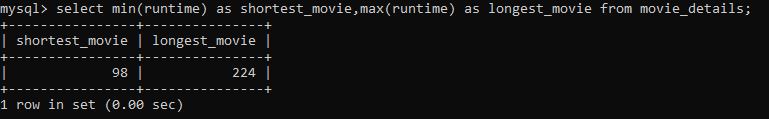


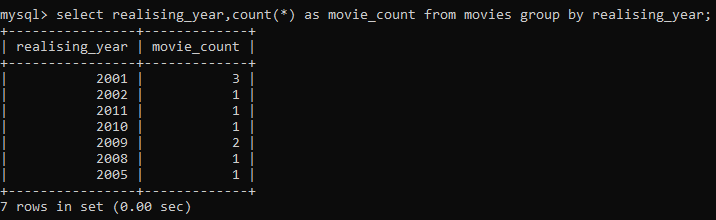


# Aggregate Functions(SUM, MIN, MAX, AVG, COUNT)









# views for analysis

CREATE VIEW highrated\_movies AS

SELECT

m.title,

m.rating,

md.box\_office

FROM

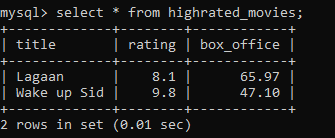
movies m

JOIN

movie\_details md ON m.movie\_id = md.movie\_id

WHERE

m.rating >= 8.0;



# Query optimization with indexes

