use ci\_sql4;

-- Assignment 1

-- 1/1 point (graded)

-- What is the revenue contribution of ‘The Avengers’ in the genre ‘Action’ in the year 2012? (Answer without % sign)

select \* from imdb\_movies;

SELECT title,

revenue\_millions \* 100 / (SELECT Sum(revenue\_millions)

FROM imdb\_movies

WHERE genre = 'Action'

AND year = 2012) AS perc\_revenue

FROM imdb\_movies

WHERE title = 'The Avengers';

-- Assignment 2

-- 1/1 point (graded)

-- What is the revenue contribution of the genre ‘Comedy’ of total revenue in the year 2016? (Answer it without % sign)

SELECT genre,

Sum(revenue\_millions) \* 100 / (SELECT Sum(revenue\_millions)

FROM imdb\_movies

WHERE year = 2016) AS perc\_revenue

FROM imdb\_movies

WHERE genre = 'Comedy'

AND year = 2016;

-- Assignment 3

-- 1/1 point (graded)

-- Which genre has the highest revenue collection for the last 3 years? Enter its revenue.

SELECT Max(A.tot\_revenue)

FROM (SELECT genre,

Sum(revenue\_millions) AS tot\_revenue

FROM imdb\_movies

WHERE year IN ( 2014, 2015, 2016 )

GROUP BY genre) AS A;

-- Assignment 4

-- 1/1 point (graded)

-- Find out the the director who has highest average rating of his/her movies. Enter the rating.

SELECT Max(A.avg\_rating)

FROM (SELECT director,

Avg(rating) AS avg\_rating

FROM imdb\_movies

GROUP BY director) AS A;

-- Assignment 5

-- 1/1 point (graded)

-- How many movies have revenue greater than highest movie revenue of the ‘Adventure’ genre?

SELECT Count(\*)

FROM imdb\_movies

WHERE revenue\_millions > (SELECT Max(revenue\_millions)

FROM imdb\_movies

WHERE genre = 'Adventure');

-- Assignment 6

-- 1/1 point (graded)

-- How many movies have ratings greater than highest movie rating of the year 2015?

-- Assignment 7

-- 1/1 point (graded)

-- What is the minimum revenue corresponding to a movie such that its rating is higher than highest

-- movie rating of the year 2015 and its revenue is greater than highest movie revenue of the ‘Comedy’ genre?

SELECT Min(revenue\_millions)

FROM imdb\_movies

WHERE rating > (SELECT Max(rating)

FROM imdb\_movies

WHERE year = 2015)

AND revenue\_millions > (SELECT Max(revenue\_millions)

FROM imdb\_movies

WHERE genre = 'Comedy');

-- Assignment 8

-- 1/1 point (graded)

-- How many movies contribute more than 10% of revenue to the total revenue of all movies in a year?

SELECT Count(\*)

FROM (SELECT title,

( revenue\_millions \* 100 / tot\_revenue ) AS perc\_revenue

FROM imdb\_movies A

INNER JOIN (SELECT year,

Sum(revenue\_millions) AS tot\_revenue

FROM imdb\_movies

GROUP BY year) b

ON A.year = b.year

WHERE ( revenue\_millions \* 100 / tot\_revenue ) > 10) C;

-- Assignment 9

-- 0/1 point (graded)

-- How many movies contribute more than 5% of revenue to the total revenue of all movies

-- in their respective genre?

select \* from imdb\_movies;

select count(\*)

from(

select Title, (Revenue\_millions\*100)/total\_rev as perc\_rev

from imdb\_movies a

inner join (select Year, sum(Revenue\_millions) as total\_rev

from imdb\_movies

group by ID

) b

on a.year=b.year

where (Revenue\_millions\*100)/total\_rev>5

)b;