SELECT p1.personname, p1.pid FROM persons AS p1 WHERE p1.personname = 'Clint Eastwood';

personname | pid

----------------+-----------

Clint Eastwood | nm0000142

imdb=> SELECT title FROM productions WHERE id = 'tt0186566';

title

---------------

Space Cowboys

(1 row)

Bb

SELECT p.id, p.title, p.originaltitle, p.productiontype, p.runtime, p.year, p.endyear

FROM productions p

JOIN directors d ON p.id = d.id

JOIN roles r ON p.id = r.id

JOIN persons pdirector ON d.director = pdirector.pid

JOIN persons pactor ON r.pid = pactor.pid

WHERE pdirector.personname = 'Clint Eastwood' AND pactor.personname = 'Clint Eastwood'

AND p.year >= 2000

ORDER BY p.year;

A screen shot of a computer

Description automatically generated

-- Table of Movies where Clint Eastwood was a Director

WITH ClintEastwoodDirector AS (

SELECT p.id

FROM productions p

JOIN directors d ON p.id = d.id

JOIN persons pdirector ON d.director = pdirector.pid

WHERE pdirector.personname = 'Clint Eastwood'

),

-- Table of Movies where Clint Eastwood had a major role as an actor from 2000 onwards

ClintEastwoodActor AS (

SELECT p.id

FROM productions p

JOIN roles r ON p.id = r.id

JOIN persons pactor ON r.pid = pactor.pid

WHERE pactor.personname = 'Clint Eastwood'

AND p.year >= 2000

)

-- Intersection of movies where Clint Eastwood was both a director and had a major role

SELECT p.id, p.title, p.originaltitle, p.productiontype, p.runtime, p.year, p.endyear

FROM productions p

WHERE p.id IN (SELECT id FROM ClintEastwoodDirector INTERSECT SELECT id FROM ClintEastwoodActor)

ORDER BY p.year;

A screenshot of a computer

Description automatically generated

SELECT id, title, originaltitle, productiontype, runtime, year, endyear

FROM productions

WHERE id IN (

SELECT id

FROM ratings

WHERE averagerating > 9.0 AND numvotes >= 100000

)

AND year >= 2010;

SELECT id, title, originaltitle, productiontype, runtime, year, endyear

FROM productions

WHERE id IN (

SELECT id

FROM ratings

WHERE averagerating > 9.0 AND numvotes >= 100000

)

AND year >= 2010

AND productiontype = 'tvSeries'

ORDER BY id ASC;

A screen shot of a computer

Description automatically generated

WITH max\_rating AS (

SELECT MAX(r.averagerating) AS max\_rating

FROM productions p

JOIN directors d ON p.id = d.id

JOIN persons pe ON d.director = pe.pid

JOIN ratings r ON p.id = r.id

WHERE pe.personname = 'Christopher Nolan'

)

SELECT p.title, r.averagerating

FROM productions p

JOIN directors d ON p.id = d.id

JOIN persons pe ON d.director = pe.pid

JOIN ratings r ON p.id = r.id

JOIN max\_rating mr ON r.averagerating = mr.max\_rating

WHERE pe.personname = 'Christopher Nolan';

A screen shot of a computer

Description automatically generated

SELECT per.personname AS director, prod.title, prod.year

FROM productions prod

JOIN ratings rate ON prod.id = rate.id

JOIN directors d ON prod.id = d.id

JOIN persons per ON d.director = per.pid

WHERE rate.averagerating >= 8.5

AND rate.numvotes >= 500000

AND prod.productiontype = 'movie'

AND (

SELECT COUNT(\*)

FROM productions subprod

JOIN ratings subrate ON subprod.id = subrate.id

JOIN directors subd ON subprod.id = subd.id

JOIN persons subper ON subd.director = subper.pid

WHERE subrate.averagerating >= 8.5

AND subrate.numvotes >= 500000

AND subprod.productiontype = 'movie'

AND subper.personname = per.personname

) >= 2

ORDER BY per.personname ASC, prod.title ASC, prod.year ASC;

A screenshot of a computer

Description automatically generated

SELECT id FROM productions WHERE title = 'Ahsoka';

SELECT id, episodeof, season, episode

FROM episodes

WHERE episodeof = (SELECT id FROM productions WHERE title = 'Ahsoka')

AND id NOT IN (SELECT id FROM ratings WHERE id = episodes.id);

A computer screen with white text

Description automatically generated

SELECT e.id, e.episodeof, e.season, e.episode

FROM episodes e

LEFT JOIN ratings r ON e.id = r.id

WHERE e.episodeof = (SELECT id FROM productions WHERE title = 'Ahsoka')

AND r.id IS NULL;

A screen shot of a computer

Description automatically generated