

**6-16-2017**

## Examples from 5notes16 part 3

Movie(Title,Year,length,inColor,studioName,producerC#)

StarsIn(MovieTitle,MovieYear,StarName)

MovieStar(Name,address,gender,birthdate)

MovieExec(name,address,Cert#,netWorth)

Studio(Name,address,presC#)

Find the address of 'Lucas Films' studios.

- select \* from studio where name like 'Lucas%'

Find all stars that appeared either in a movie made in 2002 or a movie with 'world' in the title.

- select distinct starname from starsin where movieyear = 2002 OR movietitle like '%world%'

Find the names and addresses of all female movie stars who are also movie executives with a net worth over \$5000.

- select \* from moviestar ms, movieExec me where gender = 'f' AND network > 5000 AND [ms.name](#) = [me.name](#)

Which movies are longer than 'Star Wars'?

- select m1.title as m1title, m1.year as m1year, m1.length as m1length, m2.title as m2title, m2.year as m2year, m2.length as m2length from movies m1, movies m2 where m1.title = 'star wars' AND m1.length < m2.length

Find studios that produced at least 2 movies that contain at least 2 stars born before 1960.

- select \* from movies m1, movies m2, starsin s1, starsin s2, starsin s3, starsin s4, moviesstar ms1, moviestar ms2, moviestar ms3, moviestar ms4 where m1.studioname = m2.studioname AND ( m1.movietitle != m2.movietitle OR m1.year != m2.year ) AND ( s1.movietitle = m1.movietitle AND s1.movieyear = m1.movieyear AND s2.movietitle = m1.movietitle AND s2.movieyear = m1.movieyear AND s1.starname != s2.starname ) AND (s1.starname = [ms1.name](#) AND s2.starname = [ms2.name](#) AND s1.birthdate < 1960 AND s2.birthdate < 1960)

## Examples from Quiz: Notes 16

1. Find all movies that Harold Ramis had anything to do with (he is both a movie star and producer).
  - select movietitle, movieyear from starsin where starname = 'harold ramis' UNION select title, year from movies, moviesExec where movies.producerCnum = movieExec.certnum AND name = 'harold ramis'
2. Find a list of pairs of movies which Harrison Ford starred.
  - select s1.movietitle as s1title, s1.movieyear as s1year, s2.movietitle as s2title, s2.movieyear as s2year from starsin s1, starsin s2 where s1.starname = s2.starname AND s1.starname = 'harrison ford' AND (s1.movietitle < s2.movietitle OR (s1.movietitle = s2.movietitle AND s1.movieyear < s2.movieyear))
3. Find the movies that contain Sigourney Weaver, but not Nathan Fillian
  - select movietitle, movieyear from starsin where starname = 'sigourney weaver' AND (movietitle, movieyear) not in (select movietitle, movieyear from starsin where starname = 'nathan fillian')
4. Find all actors in the Star Wars movie. (assume that full movies titles are used, so the titles are not identical)
  - select distinct starname from starsin where movietitle like '%star wars%'
5. Find all studios who have employed two or more actors
  - select distinct m1.studioname from starsin s1, movies m1, starsin s2, movies m2 where s1.movietitle = m1.title AND s1.movieyear = m1.year AND s2.movietitle = m2.title AND s2.movieyear = m2.year AND m1.studioname = m2.studioname AND s1.starname < s2.starname