Dhanashree Kharate

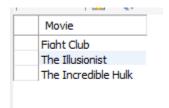**Easy Questions:**

1. What movies has 'Edward Norton' appeared in?

select movie from appeared_in where star="Edward Norton";

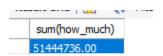| Movie |
|-------|
| Fight Club |
| The Illusionist |
| The Incredible Hulk |

2. Who has starred along with 'Brad Pitt' in the some movie?

select star from appeared_in where movie in(select movie from appeared_in where star ="Brad Pitt") and not star="Brad Pitt";

star
Edward Norton
Angelina Jolie
George Clooney
Matt Damon
Vincent Cassel

3. How much money, in total, have movies earned in which 'Tom Hanks' and 'Rita Wilson' starred together?

select sum(how_much) from made_money where movie in (select movie from appeared_in where movie in (select movie from appeared_in where star ="Tom Hanks") and star="Rita Wilson");

sum(how_much)
51444736.00

4. Who has (have) divorced 'Ben Affleck'?

  select * from in_couple where couple_num in (select couple_num from divorced where COUPLE_NUM in (select couple_num from in_couple where star="Ben Affleck")) and not star="Ben Affleck";

	STAR	COUPLE_NUM
	Jennifer Garner	6
	NULL	NULL

5. Which stars were married and then divorced on the same day?

select star from in_couple where couple_num in(select a.couple_num from married a , divorced b where a.day = b.day) ;

Result Grid | Filter

star
Angelina Jolie
Brad Pitt

Moderate Questions:

6. What stars who married one another could possibly have met while working on the same movie?

select distinct a.star as Star, a.ToStar from

(select c.COUPLE_NUM, d.Star as ToStar,c.STAR from in_couple c left outer join in_couple d on d.COUPLE_NUM =c.COUPLE_NUM and d.STAR != c.STAR and d.STAR < c.STAR where c.COUPLE_NUM in (select COUPLE_NUM from married where c.COUPLE_NUM = COUPLE_NUM)) a left outer join (select A.star, B.Movie, B.Star as star2 from appeared_in a left outer join appeared_in b on a.Movie = b.Movie and b.STAR != a.STAR and b.star < a.star where b.Movie is not null and b.STAR is not null) b on (((a.star = b.star) or (b.star = a.tostar)) and ((b.star2 = a.tostar)or(b.star2 = a.star))) group by b.movie having (a.star is not null and a.tostar is not null);

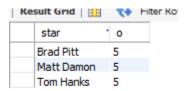| Star	ToStar
Jennifer Aniston	Brad Pitt
Jennifer Garner	Ben Affleck
Vincent Cassel	Monica Bellucci
Tom Hanks	Rita Wilson
Brad Pitt	Angelina Jolie

7. What star has appeared in the most movies?

select star, count(movie) as o
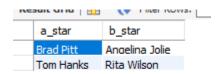
 from appeared_in group by star

 having o = (select max(o) from (select count(movie) as o from appeared_in group by star) as table1);

star	o
Brad Pitt	5
Matt Damon	5
Tom Hanks	5

8. Which pairs of stars were married to each other more than once?

select a_star , b_star from (select a.star AS A_STAR ,b.star AS B_STAR from

in_couple A JOIN in_couple B ON A.COUPLE_NUM = B.COUPLE_NUM and A.star <> B.star

 inner join married m on a.couple_num = m.couple_num group by a.couple_num) as T1

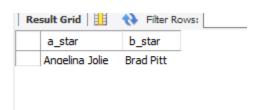 group by a_star having count(*) >1;

a_star	b_star
Brad Pitt	Angelina Jolie
Tom Hanks	Rita Wilson

9. Which star or stars have been divorced at least two times?

select a_star , b_star from (select a.star AS A_STAR ,b.star AS B_STAR from

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in_couple A JOIN in_couple B ON A.COUPLE_NUM = B.COUPLE_NUM and A.star <> B.star and b.star is not null

 inner join divorced m on a.couple_num = m.couple_num group by a.couple_num) as T1

 group by a_star having count(*) >=2;

a_star	b_star
Angelina Jolie	Brad Pitt

10. Which star has averaged the highest box office for all films appeared in?

select A1.star as star_name, A1.value as value from

(select a.STAR,avg(b.HOW_MUCH) as value from made_money b

inner join appeared_in a on a.movie=b.MOVIE group by a.star order by value desc) as A1 limit 1;

star_name	value
Scarlett Johansson	353961268.333333