

Project 1
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1. select Movie from appeared_in where STAR = 'Edward Norton';

2.

```
select distinct a.star from appeared_in a where
a.Movie in (select distinct b.Movie from appeared_in b where b.STAR = 'Brad Pitt')
and a.star != "Brad Pitt";
```

3.

```
select sum(how_much) from made_money
join (select movie from
(select a.Movie as movie, b.Movie as another_movie, a.STAR as star_1, b.STAR as star_2 from
appeared_in a
join appeared_in b on a.Movie = b.Movie
where a.STAR = 'Tom Hanks' and b.STAR = 'Rita Wilson'
having a.Movie = b.Movie) c) d
on made_money.MOVIE = d.movie;
```

4.

```
select STAR from in_couple where
COUPLE_NUM = (select in_couple.COUPLE_NUM from in_couple
join divorced on in_couple.COUPLE_NUM = divorced.COUPLE_NUM
where STAR = 'Ben Affleck')
and STAR != 'Ben Affleck';
```

5.

```
select STAR from in_couple
where COUPLE_NUM =
(select married.COUPLE_NUM from married # COUPLE_NUM, DAY
join divorced on divorced.DAY = married.DAY);
```

6.

```
select distinct a_appear.STAR, b_appear.STAR from
in_couple a_couple, in_couple b_couple,
appeared_in a_appear, appeared_in b_appear,
made_money, married
where a_appear.Movie = b_appear.Movie
and a_couple.STAR = a_appear.STAR
and b_couple.STAR = b_appear.STAR
and a_couple.STAR != b_couple.STAR
```

and a_couple.COUPLE_NUM = b_couple.COUPLE_NUM
and a_couple.COUPLE_NUM = married.COUPLE_NUM
and made_money.Movie = a_appear.Movie
and married.Day >= made_money.DAY_OPENED;

7.

```
select b.STAR, count(b.STAR) from appeared_in b
group by b.STAR
having count(b.STAR) =
(select count(a.STAR) from appeared_in a
group by STAR
order by count(a.STAR) DESC
limit 1);
```

8.

if want to show how many time they divorced, use:

```
select distinct s1, s2, count(distinct COUPLE_NUM) as Count from
(select a.STAR as s1, b.STAR as s2, b.COUPLE_NUM
from in_couple a, in_couple b
where a.STAR != b.STAR
and a.COUPLE_NUM = b.COUPLE_NUM
group by a.STAR, b.STAR, b.COUPLE_NUM) d
group by s1, s2
having count(distinct COUPLE_NUM) > 1;
```

if not, use:

```
select distinct s1, s2 as Count from
(select a.STAR as s1, b.STAR as s2, b.COUPLE_NUM
from in_couple a, in_couple b
where a.STAR != b.STAR
and a.COUPLE_NUM = b.COUPLE_NUM
group by a.STAR, b.STAR, b.COUPLE_NUM) d
group by s1, s2
having count(distinct COUPLE_NUM) > 1;
```

9.

```
select STAR from in_couple
join divorced
on in_couple.COUPLE_NUM = divorced.COUPLE_NUM
group by STAR
having count(STAR) > 1;
```

10.

```
select STAR, avg(HOW_MUCH) from appeared_in
```

```
join made_money on  
appeared_in.Movie = made_money.MOVIE  
group by STAR  
order by avg(HOW_MUCH)  
limit 1;
```