select movie

from appeared\_in

where star = "Edward Norton"

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

2.

select distinct a1.star

from appeared\_in as a1, appeared\_in as a2

where a2.star = "Brad Pitt" and a1.star <> a2.star and a1.movie = a2.movie

|  |
| --- |
| Edward Norton |
| Angelina Jolie |
| George Clooney |
| Matt Damon |
| Vincent Cassel |

3.

select sum(how\_much)

from appeared\_in as a1, appeared\_in as a2, made\_money as m

where a1.movie = a2.movie and a1.star = "Tom Hanks"

and a2.star = "Rita Wilson" and m.movie = a1.movie

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4.

select i1.star

from in\_couple as i1, in\_couple as i2, divorced as d

where i1.COUPLE\_NUM = i2.COUPLE\_NUM and i2.star = "Ben Affleck"

and i1.star <> i2.star and i1.COUPLE\_NUM = d.couple\_num

Jennifer Garner

5.

select i.star

from married as m, divorced as d, in\_couple as i

where m.couple\_num = d.couple\_num and m.couple\_num = i.couple\_num

and m.day = d.day

|  |
| --- |
| Angelina Jolie |
| Brad Pitt |

6.

create view movie1 as

(select a1.star as star1, a2.star as star2, m.day\_opened as openday

from appeared\_in as a1, appeared\_in as a2, made\_money as m

where a1.movie = a2.movie and a1.star > a2.star

and a1.movie = m.movie);

create view person as

(select i1.star as star1, i2.star as star2, married.DAY as dayday

from in\_couple as i1, in\_couple as i2, married

where i1.couple\_num = i2.couple\_num and i1.star > i2.star

and i1.couple\_num = married.couple\_num);

select distinct person.star1, person.star2

from person, movie1

where person.star1 = movie1.star1 and person.star2 = movie1.star2

and movie1.openday < person.dayday;

drop view person;

drop view movie1;

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

7.

select star

from appeared\_in

group by star

having count(\*) >= all (select count(\*)

from appeared\_in

group by star)

|  |
| --- |
| Brad Pitt |
| Matt Damon |
| Tom Hanks |

8.

create view couple as

select i1.star as star1, i2.star as star2, i1.couple\_num as couple\_num

from in\_couple as i1, in\_couple as i2

where i1.star > i2.star and i1.couple\_num = i2.couple\_num;

select distinct c1.star1, c2.star2

from couple as c1, couple as c2

where c1.star1 = c2.star1 and c1.star2 = c2.star2 and

c1.couple\_num > c2.couple\_num;

drop view couple;

|  |  |
| --- | --- |
| Brad Pitt | Angelina Jolie |
| Tom Hanks | Rita Wilson |

9.

select i.star

from divorced as d, in\_couple as i

where d.couple\_num = i.couple\_num

group by i.star

having count(\*) > 1;

|  |
| --- |
| Angelina Jolie |
| Brad Pitt |
| Tom Hanks |

10.

select a.star, avg(m.how\_much)

from appeared\_in as a, made\_money as m

where a.movie = m.movie

group by star

having avg(m.how\_much) >= all (select avg(mm.how\_much)

from appeared\_in as aa, made\_money as mm

where aa.movie = mm.movie

group by aa.star);

|  |  |
| --- | --- |
| Scarlett Johansson | 353961268.333333 |

11.

create view marry as

select i1.star as star1, i2.star as star2,

i1.couple\_num as couple\_num, m.day as mday

from in\_couple as i1, in\_couple as i2, married as m

where i1.couple\_num = i2.couple\_num and i1.star > i2.star and

i1.couple\_num = m.couple\_num;

create view movie as

select a.star as star, how\_much, day\_opened

from appeared\_in as a, made\_money as m

where a.movie = m.movie;

create view r as

select mo.how\_much as how\_much, couple\_num

from marry as m, movie as mo

where (m.star1 = mo.star or m.star2 = mo.star) and

mo.day\_opened > m.mday

and not exists(select \* from divorced as d

where d.couple\_num = m.couple\_num

and mo.day\_opened >= d.day);

select couple\_num

from r

group by couple\_num

having avg(how\_much) >= all (select avg(how\_much)

from r

group by couple\_num);

drop view marry;

drop view movie;

drop view r;

|  |  |
| --- | --- |
| 2 |  |

11.

create view movies\_married as

select distinct a.movie, i.couple\_num, mm.how\_much

from in\_couple i, appeared\_in a, married m, made\_money mm

where i.star = a.star and m.couple\_num = i.couple\_num and

m.day < mm.day\_opened and mm.movie = a.movie and

not exists(select \*

from divorced d

where d.day <= mm.day\_opened and

d.couple\_num = m.couple\_num);

create view per\_couple as

select couple\_num, avg(m.how\_much) as num

from movies\_married m

group by couple\_num;

select couple\_num

from per\_couple

where num >= all (select num from per\_couple);

drop view movies\_married;

drop view per\_couple;

2