**Assign - 1:**

select name from highschooler where id in(select id1 from friend where id2 in (select id from highschooler where name = 'Gabriel'));

select name from highschooler where id in (select friend.ID1 from highschooler natural join friend where highschooler.name = 'Gabriel' and highschooler.id = friend.id2);

*select name from highschooler where id in (select id1 from friend join highschooler on friend.id2=highschooler.id and name='Gabriel');*

**Assign - 2:**

select name, grade from highschooler where id in (select id2 from likes group by id2 having count(id2) > 1);

*select name,grade from highschooler join likes on highschooler.id=likes.id2 group by(name,grade) having count(\*)>1 order by name;*

**Assign - 3:**

select name, grade from highschooler where id not in (select id1 from likes) and id not in (select id2 from likes) order by grade desc, name;

*select distinct name,grade from highschooler join likes on id not in (select id1 from likes union select id2 from likes) order by grade desc,name;*

**Assign - 4:**

select name, grade from highschooler where id in (select id1 from friend group by id1 having count(id1) = (select max(c1) from (select count(id2) as c1 from friend group by id1) as temp));

*select name, grade from (select id1 as id, count(\*) as c from friend group by id1) as temp join Highschooler using (id) where c = (select max(c) from (select id1, count(\*) as c from friend group by id1) as temp);*

**Assign - 5:**

select count(id1) from friend where id1 = (select id from highschooler where name = 'Alexis');

*select count(id1) from friend join highschooler on friend.id1=highschooler.id and name='Alexis';*

**Assign - 6:**

select (count(id) - count(distinct name)) as diff from highschooler;

*select total.cnt-dist.cnt as diff from (select count(name) as cnt from highschooler) as total, (select count(distinct name) as cnt from highschooler) as dist;*

**Assign - 7:**

insert into highschooler values ('2000', 'jane', '9');

**Assign - 8:**

delete from highschooler where id not in (select id1 from friend) and id not in (select id2 from friend);

**Assign - 9:**

delete from highschooler where grade = '12';

**Assign - 10:**

update highschooler set grade = grade + 1;