```sql
--a
select MECHNAME, AGE from MECHANIC;

--b
select AIRNAME, STATE, SIZ, YEAROPENED from AIRPORT
where STATE='CA' and SIZ >= 20 and YEAROPENED >= 1935
order by siz ASC;

--c
select AIRNAME, SIZ, YEAROPENED, STATE from AIRPORT
where STATE='CA' and (SIZ >= 20 or YEAROPENED >= 1935);

--d
select AVG(SIZ) from AIRPORT
where STATE='CA' and YEAROPENED >= 1935;

--e
select COUNT(AIRNAME) from AIRPORT
where STATE='CA' and YEAROPENED >= 1935;

--f
select COUNT(AIRNAME) from AIRPORT
where YEAROPENED >= 1935;
group by STATE;

--g
select COUNT(AIRNAME), STATE from AIRPORT
where YEAROPENED >= 1935
group by STATE
having COUNT(AIRNAME) >= 5;

--h
select MECHNAME, STATE from MECHANIC, AIRPORT
where MECHANIC.AIRNAME = AIRPORT.AIRNAME and STATE='CA';

--i
select MECHNAME from SKILL, QUALIFICATION, MECHANIC
where SKILL.SKILLNUM = QUALIFICATION.SKILLNUM and
QUALIFICATION.MECHNUM = MECHANIC.MECHNUM and (PROFRATE=4 and
SKILLNAME='fan blade replacement');

--j
select MECHNAME from SKILL, QUALIFICATION, MECHANIC, AIRPORT
where SKILL.SKILLNUM = QUALIFICATION.SKILLNUM AND
QUALIFICATION.MECHNUM = MECHANIC.MECHNUM and (MECHANIC.AIRNAME =
```

```
AIRPORT.AIRNAME and AIRPORT.STATE = 'CA') and (PROFRATE=4 AND
SKILLNAME='fan blade replacement');

--k
select AIRPORT.CITY, SUM(SALARY) from MECHANIC, AIRPORT
where MECHANIC.AIRNAME = AIRPORT.AIRNAME
group by AIRPORT.CITY;

--l
select MAX(SIZ) as LARGEST_AIRPORT
from AIRPORT;

--m
select MAX(SIZ) as LARGEST_AIRPORT
from AIRPORT where STATE = 'CA';
```