```
1. create table enrolled (
    thi munc
    chum string,
    primary key (snum, chame)
     foreign keylsnum) references student,
  create table class | foreign key (chame) references class);
     Chame string,
     meets-at time,
     room string,
     fid int,
     primary key (chame));
      foreign keylfid) references faculty!;
   create table faculty (
     fid int,
     frame string,
      dept string,
      primary key (fid)):
    create table studentl
                                  1.6.
                                   In order:
      Shum int.
      sname string,
                                     Students
       major string,
                                     Faculty
       age int,
                                     Class
       gra float,
                                     Enrolled
        primary key (snum));
```

- 2. Select sname

  from student

  where major = 'cs' o

  and sname like 'M%';
  - 3. select sichame

    from students

    where siage > (select sitinge

    from students?

    where sitingents?
    - 4. selectssname

      from students

      where sage all (select min(s), age)

      from students2

      where s2. sname like 'Z%');
    - 5. sclect f.fname

      from faculty f

      where not exists (select cicname

      from class c

      where £i fid = fifid);

6. select f.frame

from faculty f join class c on f. fid & c. fid,

join enrolled e on conume s'exname,

join students s on e. shum & s. shum

where s, major s'imusic'

select f.frame

from faculty fijoin class con fifid scidid,
join shrolled e on ciname = einame,
join students son cisnum = sishum

where s, major = 'cs';

7a. -

7. b. select s.sname

from students

where s.age < all (select avg(s2,age)

from student s2);

8. select fifname, sismame, max (sigpa)

from faculty fi, students si, enrollede, class c

where fifids cicid

and sishum seismum

and eicname sciename;

9, select f.frame,

count(c.chame) as Classes Taught

from faculty f

outer join class c on f.fid = c.fid

- 10. Misname, age (ocname = Databases, lenrolled) Mistudent)
- 11. IT frame ((omajor = 'cs' v'music' students) Menrolled M class M faculty)
- 12. Thame (lomajor s'es: students) Menrolled M class De faculty) Thame (lomajor s'music, students) Menrolled M class De faculty)