

```

4.7 create table employee(
      ID char(10)
      person_name char(20),
      street char(20),
      city char(20),
      primary key (ID))

create table company(
      company_name char(20),
      city char(20),
      primary key (company_name))

create table works(
      ID char(10),
      company_name char(20),
      salary char(20),
      primary key (ID),
      foreign key (company_name) reference (company),
      foreign key (ID) reference (employee))

create table manages(
      ID char(10),
      manage_id char(10),
      primary key (ID),
      foreign key (ID) reference (employee))

```

4.9 first this employee will cause a tuple being deleted. which will delete all the employees with the same manager including manager himself/herself

```

4.15. select *
      from section inner join classroom
      using (building, room_number)

```

```

4.17 select student.ID
      from student right outer join advisor on student.ID = advisor.s_id
      where i_id = null

```

```

4.20 create view tot_credits(year, tot_credits)
      as (select year, sum(credits)
          from takes natural join course
          group by year)

```