Amber's conglomerate corporation just acquired some new companies. Each of the companies follows this hierarchy:

Given the table schemas below, write a query to print the *company\_code*, *founder* name, total number of *lead*managers, total number of *senior* managers, total number of *managers*, and total number of *employees*. Order your output by ascending *company\_code*.

**Note:**

* The tables may contain duplicate records.
* The *company\_code* is string, so the sorting should not be **numeric**. For example, if the *company\_codes* are *C\_1*, *C\_2*, and *C\_10*, then the ascending *company\_codes* will be *C\_1*, *C\_10*, and *C\_2*.

**Input Format**

The following tables contain company data:

* *Company:* The *company\_code* is the code of the company and *founder* is the founder of the company.
* *Lead\_Manager:* The *lead\_manager\_code* is the code of the lead manager, and the *company\_code* is the code of the working company.
* *Senior\_Manager:* The *senior\_manager\_code* is the code of the senior manager, the *lead\_manager\_code* is the code of its lead manager, and the *company\_code* is the code of the working company.
* *Manager:* The *manager\_code* is the code of the manager, the *senior\_manager\_code* is the code of its senior manager, the *lead\_manager\_code* is the code of its lead manager, and the *company\_code* is the code of the working company.
* *Employee:* The *employee\_code* is the code of the employee, the *manager\_code* is the code of its manager, the *senior\_manager\_code* is the code of its senior manager, the *lead\_manager\_code* is the code of its lead manager, and the *company\_code* is the code of the working company.

**Sample Input**

*Company* Table:*Lead\_Manager* Table:*Senior\_Manager* Table:*Manager* Table:*Employee* Table:

**Sample Output**

C1 Monika 1 2 1 2

C2 Samantha 1 1 2 2

**Explanation**

In company *C1*, the only lead manager is *LM1*. There are two senior managers, *SM1* and *SM2*, under *LM1*. There is one manager, *M1*, under senior manager *SM1*. There are two employees, *E1* and *E2*, under manager *M1*.

In company *C2*, the only lead manager is *LM2*. There is one senior manager, *SM3*, under *LM2*. There are two managers, *M2* and *M3*, under senior manager *SM3*. There is one employee, *E3*, under manager *M2*, and another employee, *E4*, under manager, *M3*.

Solution:

with a as (

select lm.company\_code, count(\*) as cnt

from lead\_manager lm

group by lm.company\_code

),

b as (

select t.company\_code, count(\*) as cnt

from senior\_manager t

group by t.company\_code

),

c as (

select t.company\_code, count(\*) as cnt

from manager t

group by t.company\_code

),

d as (

select t.company\_code, count(\*) as cnt

from employee t

group by t.company\_code

)

select

co.company\_code, co.founder, a.cnt, b.cnt, c.cnt, d.cnt

from

company co

left join a on (co.company\_code = a.company\_code)

left join b on (co.company\_code = b.company\_code)

left join c on (co.company\_code = c.company\_code)

left join d on (co.company\_code = d.company\_code)

order by co.company\_code

;