

Lab 5
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(I resized the page to show the query results in one line...)

1)
a)
To build up the table

```
CREATE TABLE Title
(
    position varchar (255),
    domain varchar (255),
    id_Title integer,
    PRIMARY KEY(id_Title)
);

CREATE TABLE Employee
(
    name varchar (255),
    id_Employee integer,
    fk_Titleid_Title integer,
    PRIMARY KEY(id_Employee),
    FOREIGN KEY(fk_Titleid_Title) REFERENCES Title (id_Title)
);

CREATE TABLE SupervisionRelation
(
    id_SupervisionRelation integer,
    fk_Employeeid_Employee_Sub integer,
    fk_Employeeid_Employee_Obj integer,
    PRIMARY KEY(id_SupervisionRelation),
    FOREIGN KEY(fk_Employeeid_Employee_Sub) REFERENCES Employee (id_Employee) ON DELETE SET NULL,
    FOREIGN KEY(fk_Employeeid_Employee_Obj) REFERENCES Employee (id_Employee) ON DELETE SET NULL
);
```

Result.

1 rows deleted.
NAME

Powell
Hicke
Fenves
Beckner
Miranker
Mok

6 rows selected

ID_SUPERVISIONRELATION	FK_EMPLOYEEID_EMPLOYEE_SUB	FK_EMPLOYEEID_EMPLOYEE_OBJ
1	1	2
2	1	3
3	2	
4	2	5
5		6
6		7

6 rows selected

b)
To build up the table

```
CREATE TABLE Title
(
    position varchar (255),
    domain varchar (255),
    id_Title integer,
    PRIMARY KEY(id_Title)
);

CREATE TABLE Employee
(
    name varchar (255),
    id_Employee integer,
    fk_Titleid_Title integer,
    fk_Manager integer,
    PRIMARY KEY(id_Employee),
    FOREIGN KEY(fk_Titleid_Title) REFERENCES Title (id_Title),
    FOREIGN KEY(fk_Manager) REFERENCES Employee (id_Employee) ON DELETE CASCADE
);
```

Result.

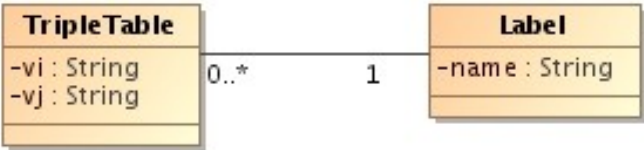
1 rows deleted.

NAME

Powell
Hicke
Fenves
Beckner

2)
A)





C) (next page)

(For a TripleTable, it might have same vi and vj)

