

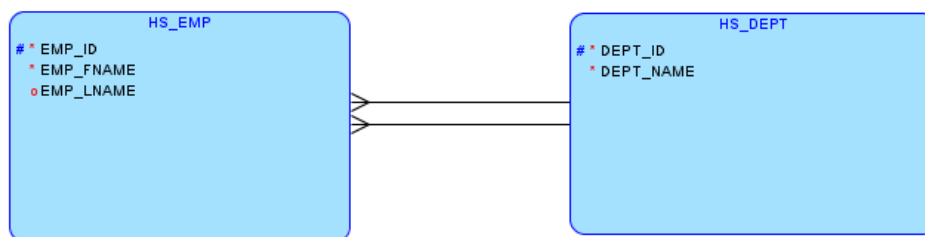
There could be scenarios where child table can have multiple foreign keys pointing to the same parent table.

#### CASE:

#### Employees have two Departments: Local Department and Global department

Employee and department has 1 to many relationship. Also, an employee can be employed in a local department as well as global department. To establish this relationship two FKs needs to be created as shown below.

#### Logical Model:

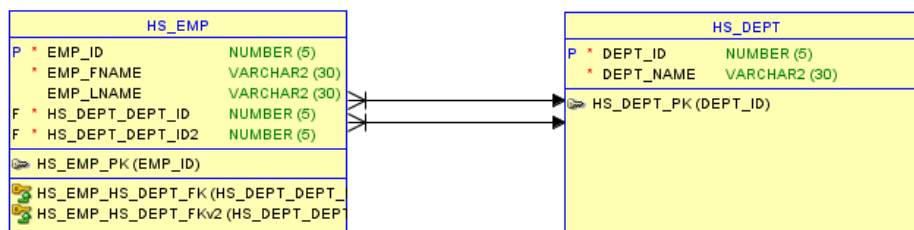


#### Relational Model:

Once logical model is engineered into relational model then the following relations are created.

Here all the PK and FK relations can be seen along with the metadata of each attribute.

#### Before renaming the FKs:



Now rename the FKs

Here, HS\_DEPT\_DEPT\_ID is renamed as LDEPT\_ID for Local department and

HS\_DEPT\_DEPT\_ID2 is renamed as GDEPT\_ID for global department.

This renaming is a necessary step and this will help map these attributes easily later as they have been given some logical names to identify them easily.

### After renaming the FKs:

