

Update/Delete: no action

Employee	
PK	<u>Emp_No (int, unique, NOT NULL)</u>
	first_name (string, NOT NULL)
	last_name (string, NOT NULL)
FK	dept_no (int, NOT NULL)

Update/Delete: cascade

Department	
PK	<u>Dep_No (int, unique, NOT NULL)</u>
	dept_name (string, NOT NULL)
	location (string, NOT NULL)

M 1

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Update/Delete: no action

Works_On	
PK	<u>Emp_No (int, unique, NOT NULL)</u>
PK	<u>Project_No (int, unique, NOT NULL)</u>
	job (string, NOT NULL)
	enter_date (date, NOT NULL)

M

Update/Delete: cascade

Project	
PK	<u>Proj_No (int, unique, NOT NULL)</u>
	project_name (string, NOT NULL)
	budget (string, NOT NULL, non negative)

N

Further Details:

1. Tables with attributes, mention the domain of each attribute. (see diagram)
2. The primary key for each table. (see diagram)
3. Relationship between the tables as defined by foreign key relationships. (see diagram)
4. Mention any associative table you created to handle M-N relationships.
I used the works_on table from the sample db.
5. How did you handle the attributes associated with the relationship?
I made them a composite primary key
6. Did you notice any derived attribute? Did you make a note on how are you going to handle it?
Nothing appears to be a derived attribute
7. Did you denormalize/split any tables? Was the split horizontal or vertical?
I did not, nor do I see a place where an argument could be made for one.