

ANNEXE 1

employee

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|------------|---------------|------|-----------------------------------|
| Fname | varchar(15) | No | Employee's first name |
| Minit | char(1) | Yes | Employee's middle name |
| Lname | varchar(15) | No | Employee's last name |
| <u>Ssn</u> | char(9) | No | Employee's social security number |
| BDate | date | Yes | Employee's birth date |
| Address | varchar(30) | Yes | Employee's address |
| Sex | char(1) | Yes | Employee's sex |
| Salary | decimal(10,2) | Yes | Employee's salary |
| Super_ssn | char(9) | Yes | Employee's supervisor's Ssn |
| Dno | int(11) | No | Employee's department number |

department

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|----------------|-------------|------|--------------------------|
| Dname | varchar(15) | No | Department name |
| <u>Dnumber</u> | int(11) | No | Department number |
| Mgr_ssn | char(9) | No | Department manager's Ssn |
| Mgr_Start_Date | date | No | Manager's start date |

dept_locations

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|------------------|---------|------|---------------------|
| <u>Dnumber</u> | int(11) | No | Department number |
| <u>Dlocation</u> | int(11) | No | Department location |

project

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|----------------|-------------|------|-------------------|
| Pname | varchar(15) | No | Project name |
| <u>Pnumber</u> | int(11) | No | Project number |
| Plocation | int(11) | Yes | Project location |
| Dnum | int(11) | No | Department number |

works_on

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|-------------|--------------|------|----------------------|
| <u>Essn</u> | char(9) | No | Employee's SS number |
| <u>Pno</u> | int(11) | No | Project number |
| Hours | decimal(3,1) | No | Project hours |

dependent

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|-----------------------|-------------|------|---------------------------------|
| <u>Essn</u> | char(9) | No | Employee's Ssn |
| <u>Dependent_Name</u> | varchar(15) | No | Dependent's name |
| Sex | char(1) | Yes | Dependent's sex |
| Bdate | date | Yes | Dependent's birth date |
| Relationship | varchar(8) | Yes | Employee-dependent relationship |

location

| ATTRIBUT | TYPE | NULL | SIGNIFICATION |
|----------------|-------------|------|-----------------|
| <u>Lnumber</u> | int(11) | No | Location number |
| Lname | varchar(15) | No | Location name |

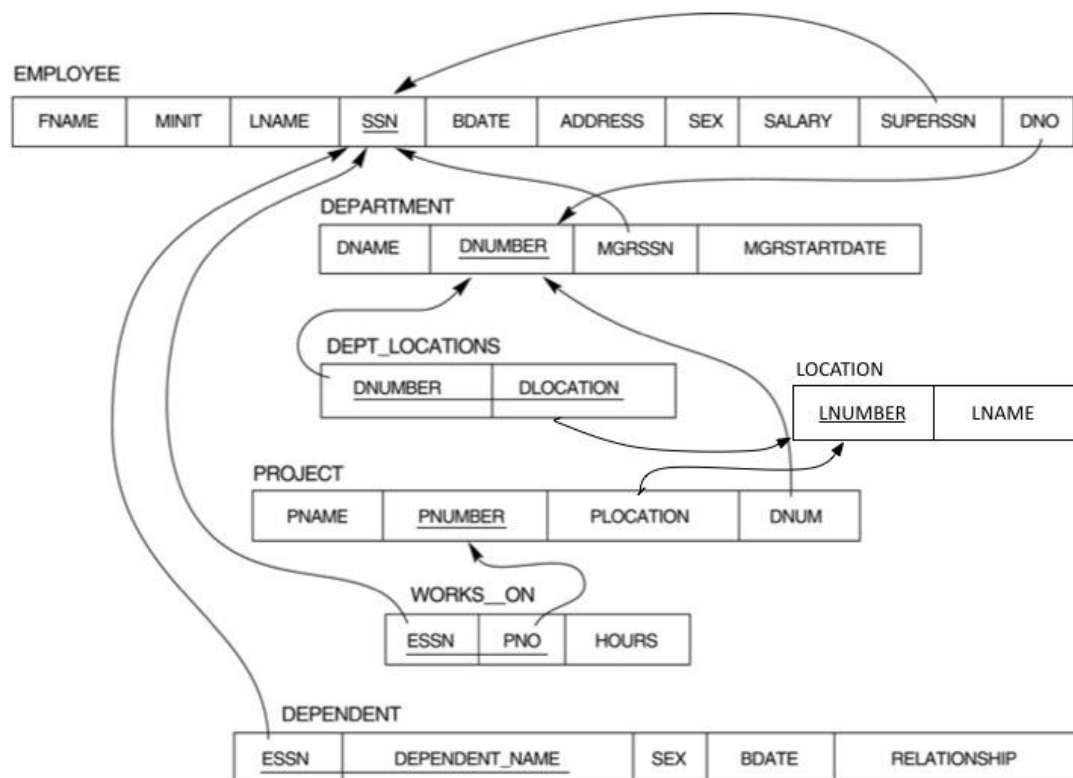


Figure 1: : Contraintes d'intégrité référentielle du schéma relationnel COMPANYY