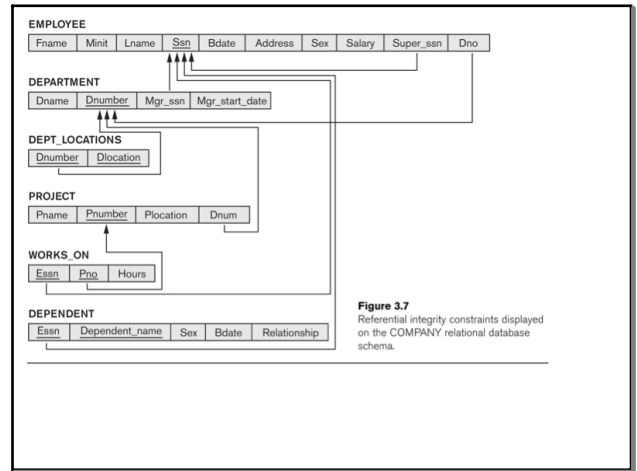
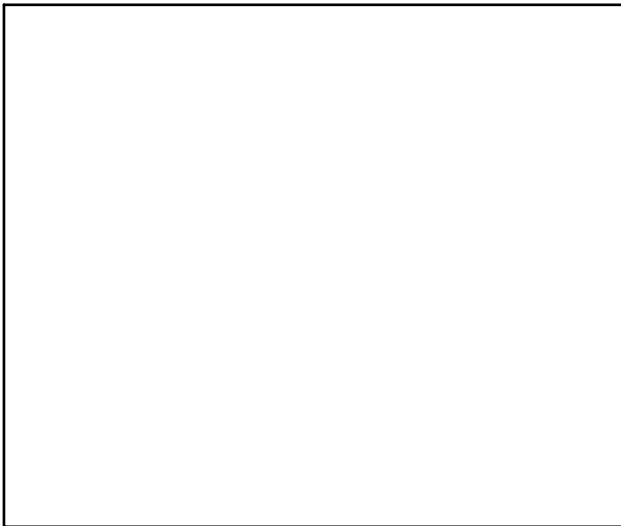


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Sep 9-9:32 AM

```
CREATE TABLE EMPLOYEE
(
  FNAME VARCHAR(15) NOT NULL,
  MINIT CHAR,
  LNAME VARCHAR(15) NOT NULL,
  SSN CHAR(9) NOT NULL,
  BDATE DATE,
  ADDRESS VARCHAR(30),
  SEX CHAR,
  SALARY DECIMAL(10,2),
  SUPERSSN CHAR(9),
  DNO INT NOT NULL,
  PRIMARY KEY(SSN)
);
```

drop table →

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Types

INT - integer

DECIMAL(10, 2) ← fixed point
 digits → right of dec. pt.
 → format

CHAR
 CHAR(n) ← fixed length string
 VARCHAR(n) ← variable length string

INT	CHAR	CHAR(n)

Sep 14-10:04 AM

```
CREATE TABLE PROJECT
(
  PNAME VARCHAR(15) NOT NULL,
  PNUMBER INT NOT NULL,
  PLOCATION VARCHAR(15),
  DNUM INT NOT NULL,
  PRIMARY KEY(PNUMBER),
  UNIQUE(PNAME)
);
```

People
Name, BDate, ID

Jobs
ID, Responsibility, Pay

```
CREATE TABLE WORKS_ON
(
  ESSN CHAR(9) NOT NULL,
  PNO INT NOT NULL,
  HOURS DECIMAL(3,1),
  PRIMARY KEY(ESSN, PNO)
);
```

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```
INSERT INTO EMPLOYEE VALUES
('John','B','Smith','123456789','1965-01-09','731 Fondren, Houston, TX','M',30000,'333445555',5),
('Franklin','T','Wong','333445555','1955-12-08','638 Voss, Houston, TX','M',40000,'888665555',5),
('Alicia','J','Zelaya','999887777','1968-07-19','3321 Castle, Spring, TX','F',25000,'987654321',4),
('Jennifer','S','Wallace','987654321','1941-06-20','291 Berry, Bellaire, TX','F',43000,'888665555',4),
('Ramesh','K','Narayan','666884444','1962-09-15','975 Fire Oak, Humble, TX','M',38000,'333445555',5),
('Joyce','A','English','453453453','1972-07-31','5631 Rice, Houston, TX','F',25000,'333445555',5),
('Ahmad','V','Jabbar','987987987','1969-03-29','980 Dallas, Houston, TX','M',25000,'987654321',4),
('James','E','Borg','888665555','1937-11-10','450 Stone, Houston, TX','M',55000,'',1);
```

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```
ALTER TABLE EMPLOYEE ADD FOREIGN KEY (SUPERSSN) REFERENCES EMPLOYEE(SSN);
ALTER TABLE EMPLOYEE ADD FOREIGN KEY (DNO) REFERENCES DEPARTMENT(DNUMBER);
```

ON DELETE _____
 ON UPDATE _____

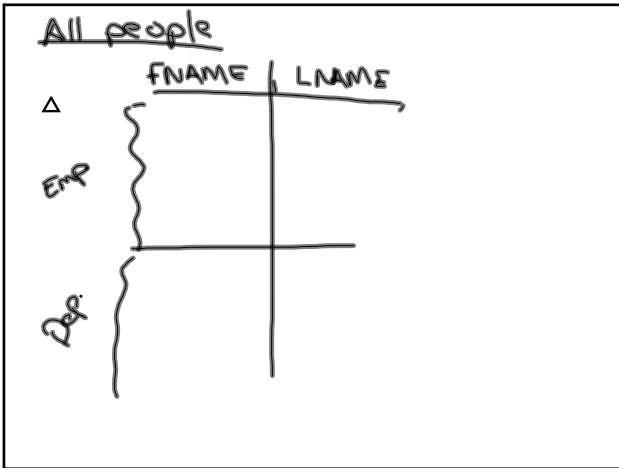
CASCADE - same operations on refering tuples

Restrict - do not allow update/delete

set NULL - sets referers FK value to NULL

NO ACTION - do nothing to other tables.

Sep 9-9:34 AM



Sep 14-10:56 AM