

```
/* 2025-04-09 22:17:20 [5 ms] */
```

```
DROP TABLE IF EXISTS EMPLOYEE;
```

```
/* 2025-04-09 22:17:20 [14 ms] */
```

```
create table EMPLOYEE(  
  fname varchar(20) NOT NULL,  
  minit varchar(1),  
  lname varchar(25) NOT NULL,  
  ssn varchar(9) DEFAULT '000000000',  
  bdate date,  
  address varchar(50),  
  sex varchar(1),  
  salary int CHECK (salary>0) NOT NULL,  
  super_ssn varchar(9),  
  dno int,  
  PRIMARY KEY(ssn),  
  FOREIGN KEY (super_ssn) REFERENCES EMPLOYEE(ssn)  
  ON DELETE SET NULL  
  ON UPDATE CASCADE  
);
```

```
/* 2025-04-09 22:17:20 [3 ms] */
```

```
DROP TABLE IF EXISTS DEPARTMENT;
```

```
/* 2025-04-09 22:17:20 [10 ms] */
```

```
create table DEPARTMENT(  
  dname varchar(25) NOT NULL,  
  dnumber int,  
  mgr_ssn varchar(9),  
  mgr_start_date date,  
  PRIMARY KEY(dnumber),  
  FOREIGN KEY (mgr_ssn) REFERENCES EMPLOYEE(ssn)  
  ON DELETE SET NULL  
  ON UPDATE CASCADE  
);
```

```
/* 2025-04-09 22:17:20 [2 ms] */
```

```
DROP TABLE IF EXISTS DEPT_LOCATIONS;
```

```
/* 2025-04-09 22:17:20 [12 ms] */
```

```
create table DEPT_LOCATIONS(  
  dnumber int,  
  dlocation varchar(20) NOT NULL,  
  PRIMARY KEY(dnumber,dlocation),  
  FOREIGN KEY (dnumber) REFERENCES DEPARTMENT(dnumber)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE  
);
```

```
/* 2025-04-09 22:17:20 [3 ms] */
```

```
DROP TABLE IF EXISTS PROJECT;
```

```
/* 2025-04-09 22:17:20 [11 ms] */
```

```
create table PROJECT(  
pname varchar(20) NOT NULL,  
pnumber int,  
plocation varchar(20),  
dnum int,  
PRIMARY KEY(pnumber),  
FOREIGN KEY (dnum) REFERENCES DEPARTMENT(dnumber)  
ON DELETE SET NULL  
ON UPDATE CASCADE  
);
```

```
/* 2025-04-09 22:17:20 [3 ms] */
```

```
DROP TABLE IF EXISTS WORKS_ON;
```

```
/* 2025-04-09 22:17:21 [8 ms] */
```

```
create table WORKS_ON(  
essn varchar(9),  
pno int,  
phours float(5,1),  
PRIMARY KEY(essn, pno),  
FOREIGN KEY (essn) REFERENCES EMPLOYEE(ssn)  
ON DELETE NO ACTION  
ON UPDATE CASCADE  
);
```

```
/* 2025-04-09 22:17:21 [2 ms] */
```

```
DROP TABLE IF EXISTS DEPENDENT;
```

```
/* 2025-04-09 22:17:21 [8 ms] */
```

```
create table DEPENDENT(  
essn varchar(9),  
dependent_name varchar(20) NOT NULL,  
sex varchar(1),  
bdate date,  
relationship varchar(20) NOT NULL,  
PRIMARY KEY(essn, dependent_name),  
FOREIGN KEY (essn) REFERENCES EMPLOYEE(ssn)  
ON DELETE CASCADE  
ON UPDATE CASCADE  
);
```