

DEPARTMENT -

 dname varchar(25) not null,
 dnumber int not null,
 mgrssn char(9) not null,
 mgrstartdate date,
 CONSTRAINT pk_Department primary key (dnumber),
 CONSTRAINT uk_dname UNIQUE (dname)

EMPLOYEE -

 fname varchar(15) not null,
 minit varchar(1),
 lname varchar(15) not null,
 ssn char(9),
 bdate date,
 address varchar(50),
 sex char,
 salary decimal(10,2),
 superssn char(9),
 dno int,
 CONSTRAINT pk_employee primary key (ssn),
 CONSTRAINT fk_employee_department foreign key (dno) references
DEPARTMENT(dnumber)

DEPENDENT -

 essn char(9),
 dependent_name varchar(15),
 sex char,
 bdate date,
 relationship varchar(8),
 CONSTRAINT pk_essn_dependent_name primary key (essn,dependent_name),
 CONSTRAINT fk_dependent_employee foreign key (essn) references
EMPLOYEE(ssn)

DEPT_LOCATIONS -

 dnumber int,
 dlocation varchar(15),
 CONSTRAINT pk_dept_locations primary key (dnumber,dlocation),
 CONSTRAINT fk_deptlocations_department foreign key (dnumber) references
DEPARTMENT(dnumber)

PROJECT -

 pname varchar(25) not null,
 pnumber int,
 plocation varchar(15),
 dnum int not null,
 CONSTRAINT ok_project primary key (pnumber),
 CONSTRAINT uc_pnumber unique (pname),
 CONSTRAINT fk_project_department foreign key (dnum) references
DEPARTMENT(dnumber)

WORKS_ON -

 essn char(9),
 pno int,
 hours decimal(4,1),
 CONSTRAINT pk_worksOn primary key (essn,pno),
 CONSTRAINT fk_workson_employee foreign key (essn) references
EMPLOYEE(ssn),

 CONSTRAINT fk_workson_project foreign key (pno) references
PROJECT(pnumber)