CS 2441: Homework 3.

Ques.1: Write tuple calculus queries for Homework 2, questions 2.

Ques.2: In this question, provide SQL queries for the queries in Question 4 of Homework 2.
CREATE TABLE EMP (  SSN int PRIMARY KEY,  Name Varchar(50),  Birthdate Date,  Street Varchar(50),  City Varchar(50),  DNO int,  SuperSSN int,  Salary Real,  FOREIGN KEY (DNO) REFERENCES DEPT(DNUM),  FOREIGN KEY (SuperSSN) REFERENCES EMP(SSN));

CREATE TABLE DEPT (  DNUM int PRIMARY KEY,  DNAME Varchar(50),  MGRSSN int,  UNIQUE DNAME,  FOREIGN KEY (MGRSSN) REFERENCES EMP(SSN));

CREATE TABLE PROJECTS (  PNum int PRIMARY KEY,  Pname Varchar(50),  Plocation Varchar(50),  DNO int,  FOREIGN KEY (DNO) REFERENCES DEPT(DNUM));

CREATE TABLE WORKS (  ESSN int,  PNO int,  HOURS int,  PRIMARY KEY (ESSN,PNO),  FOREIGN KEY (ESSN) REFERENCES EMP(SSN),  FOREIGN KEY (PNO) REFERENCES PROJECTS(PNUM));

CREATE TABLE DEPENDENT (  ESSN int NOT NULL,  DEPNAME Varchar(50) NOT NULL,  SEX char,  BDATE Date,  RELATIONSHIP Varchar(10),  PRIMARY KEY (ESSN,DEPNAME),  FOREIGN KEY (ESSN) REFERENCES EMPLOYEE(SSN));