Group Members: Akshaj Kammari, Avanish Samala, Taseen Ullah

1) Professors (dob : date, name : varchar(50), email : varchar(50),
address : varchar(100))
primary key (dob, name)

Students (sID : varchar(15), name : varchar(50), age : int, GPA : int,
email : varchar(50))
primary key (sID)

offices (building : varchar(20), number : int, size_sqft : int,
has_windows : varchar(10))
primary key (building, number)

advises (SID : varchar(15), dob : date , name : varchar(50),
since : date)
primary key (sID)
foreign key (sID) references students
foreign key (dob, name) references professors

2) Relational Table Schema:

Employee(SSN, Bdate, Fname, Minit, Lname, Sex, Address, Salary)
Primary key (SSN)

Department(Name, Number , Locations, manager)
Primary key (Name, Number)
Foreign key (Manager)

Project (project name, project number, project location, Department Number)
Primary key (project name, project number)
Foreign key (Department Number)

Dependant(name, Employee SSN, sex, Birthdate, Relationship)

primary key (name)

Foreign key (Employee ssn)

Relationships between entities

- Employee works for department
- Employee works on projects
- Employees supervise other employees (supervisor role)
- Employees manages department (manager role)
- Department controls project
- Employees have dependants