# Q1

## Assumptions

I have assumed all Ssn, DepartmentNumber and ProjectNumber attributes to be unique identifiers

### “Each project is managed by one professor (known as the project’s principal investigator)”

I have assumed that a professor may manage zero or many projects

## “Professors can manage and/or work on multiple projects”

I have assumed that a professor may not manage and/or work on any project.

### “Departments have a professor (known as the chairman) who runs the department. “

I have assumed that a professor may manage zero or many departments

### “Professors work in one or more departments and for each department that they work in, a time percentage is associated with their job”

I have assumed that a department must have at least one professor working

### “Graduate students have one major department in which they are working on their degree.”

I have assumed that a department may not have any graduate student

### “Each graduate student has another, more senior graduate student (known as a student advisor) who advises him or her on what courses to take.”

I have assumed that an advisor student can have one or more advisee students