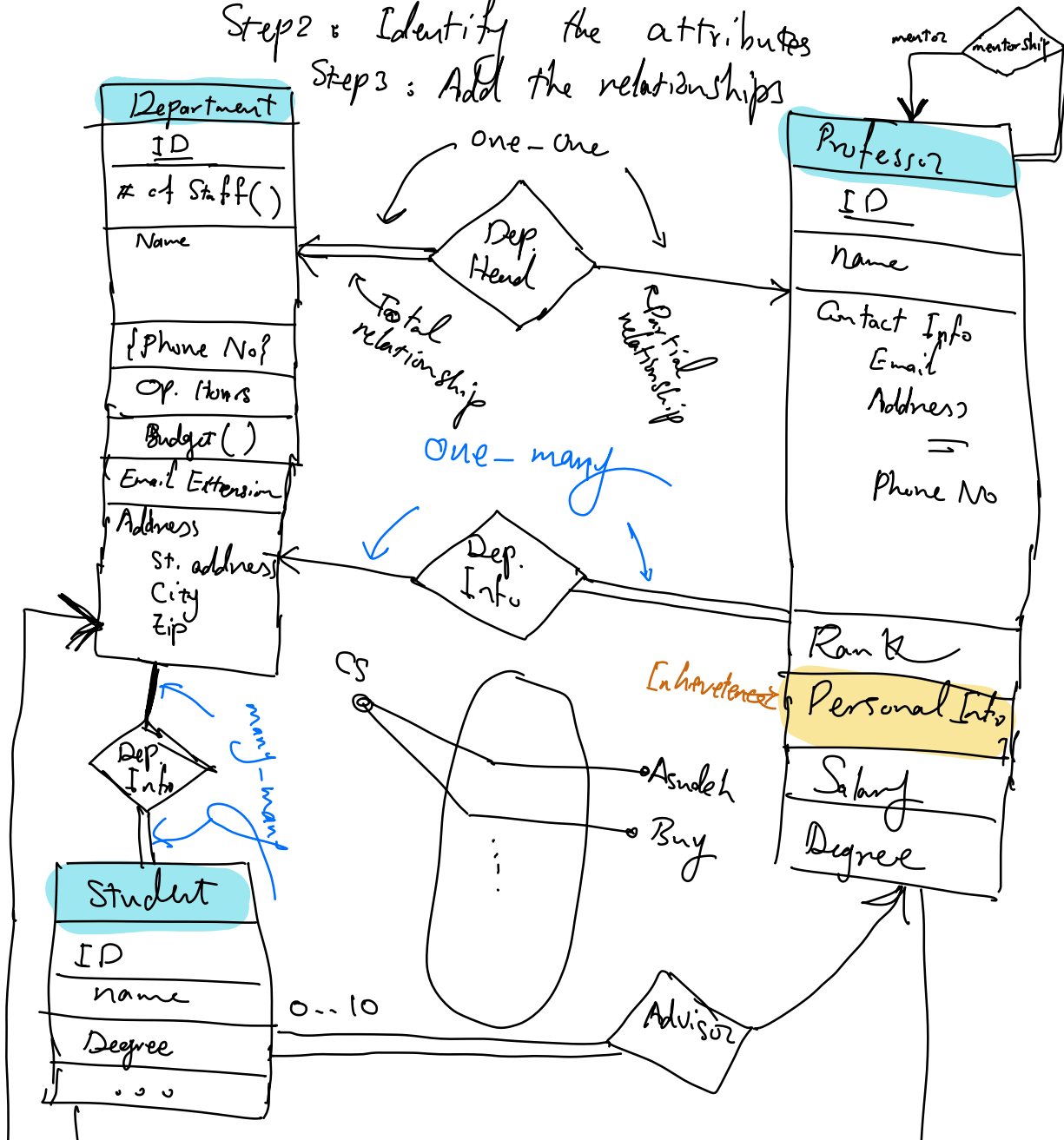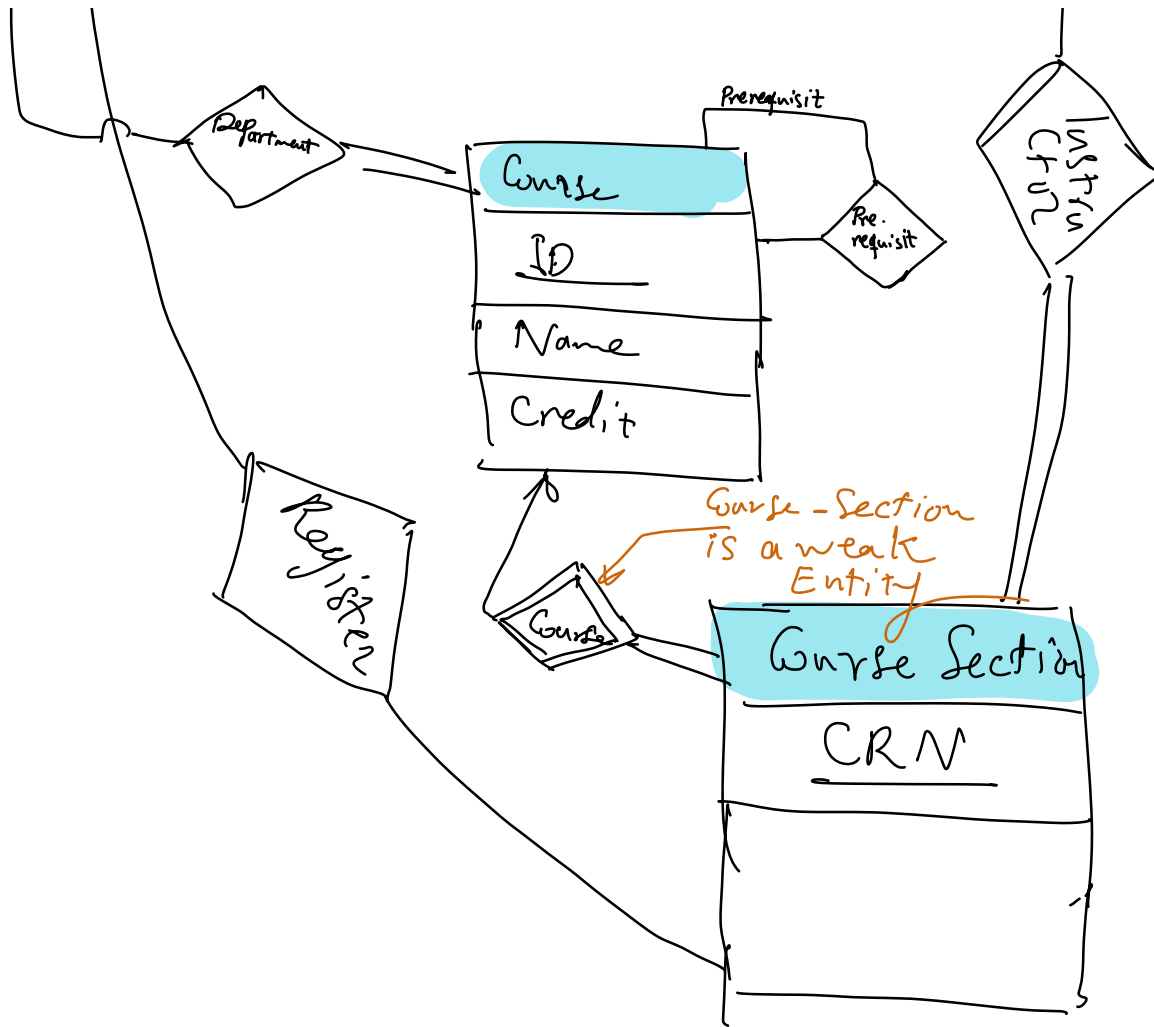- Department
- Student
- Professor
- Courses
- Course Section
- Project.

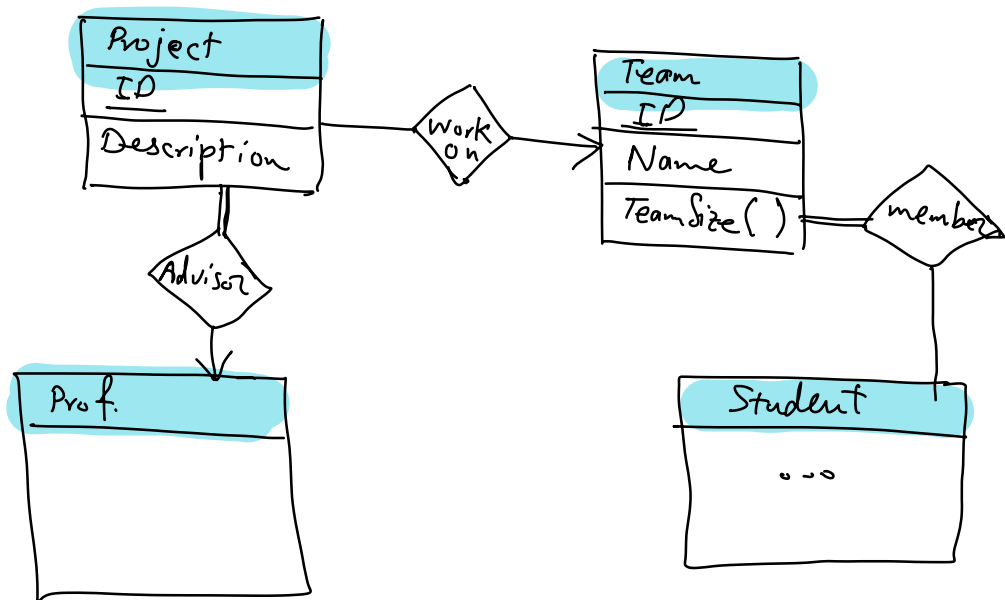← Step 1 : Identify a set of Entity Types

Step 2 : Identify the attributes
Step 3 : Add the relationships

mentor   mentorship

Department
ID
# of Staff()
Name
{Phone No}
Op. Hours
Budget()
Email Extension
Address
St. address
City
Zip

one - one

Dep. Head

Total relationship

Partial relationship

One - many

Dep. Info

Professor
ID
Name
Contact Info
Email
Address
Phone No
Rank
Personal Info
Salary
Degree

Enhancement

Dep. Info

many-many

CS

Asudeh

Buy

Student
ID
name
Degree
. . .

0..10

Advisor

Department

Prerequisit

Course
| ID |
| Name |
| Credit |

Pre. requisit

Instru. Ctor

Register

Course

Course - Section
is a weak
Entity

Course Section
| CRN |

Weak Entity: an Entity that its existence depend
on other entites

Project

ID

Description

Work On

Team

ID

Name

TeamSize( )

member

Advisor

Prof.

Student

. . .

Specialization (Inherefence)

Person

SSN

Name

Address

. . .

Prof.

Prof_ID

Degree

. . .

Student

Major

. . .