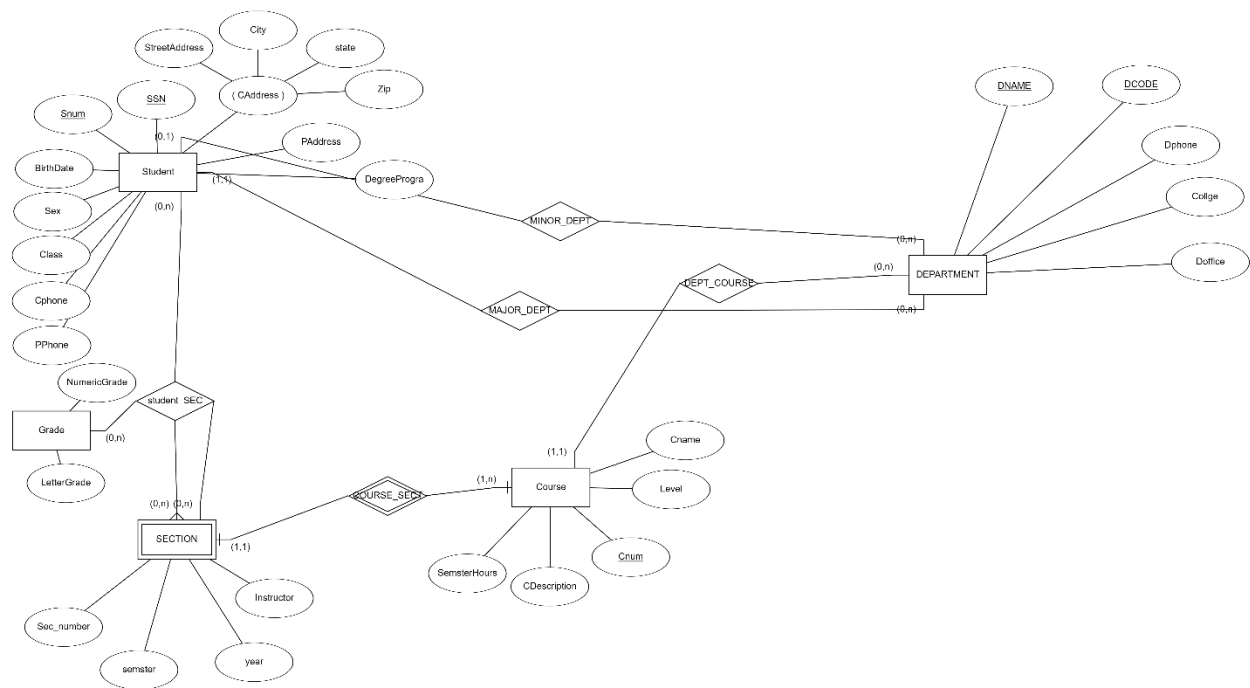


NAME :Abdullah Tahir Khurshid

Roll Number: 19P-0067

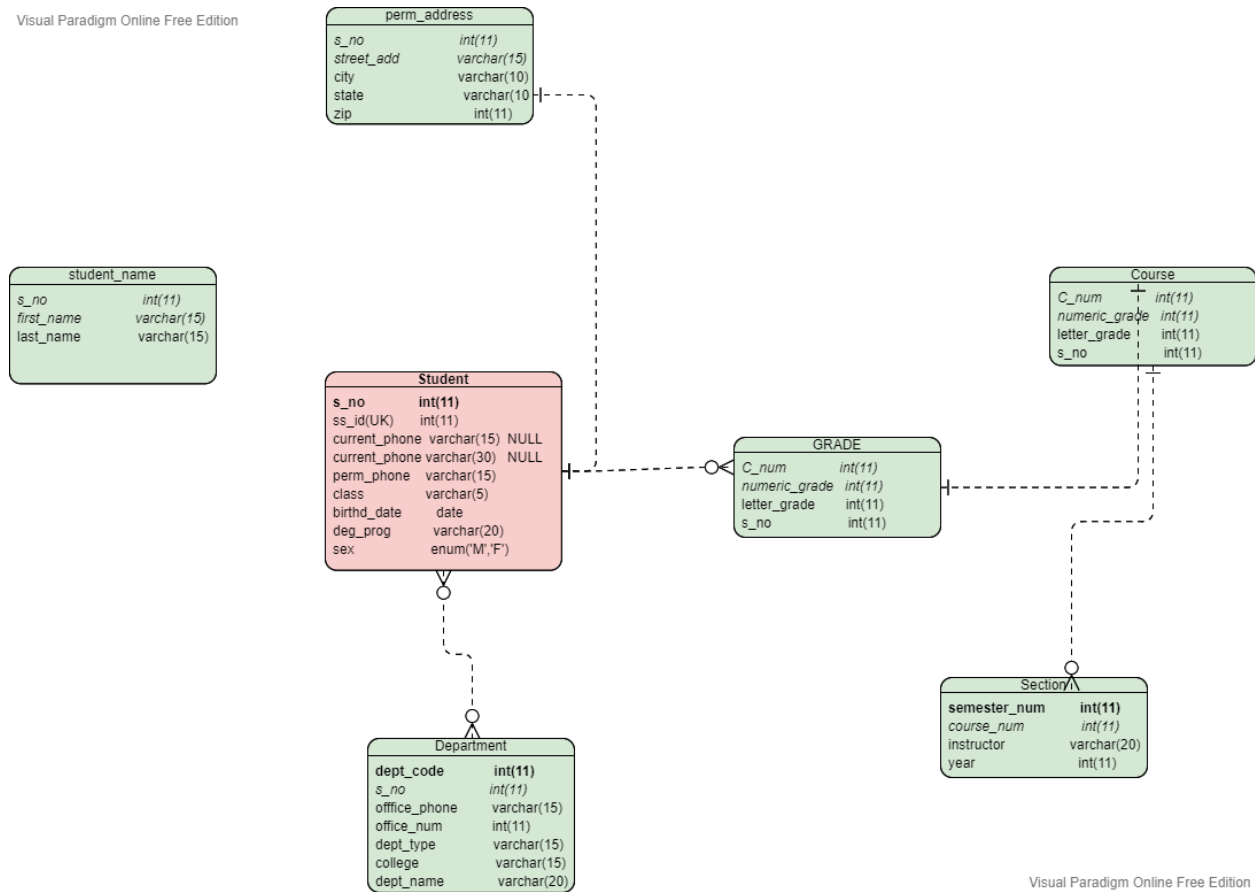
Section: 4A

# Question #1



## Question #2:

Visual Paradigm Online Free Edition



Description:

### Student:-

1. First of all we made SS\_id and student number as primary key because they can not be similar and they are unique
2. Deg\_prog is a must so it can't be null, so we used not null there
3. Curr\_add is not null because it can't be left empty it is necessary.
4. Same as curr\_add, curr\_phone can not be left empty so the not null constraint was applied on it too.

### GRADE:-

1. Student\_number and course\_no are used as foreign key to link the table ,it linked student and grade table together

### **Perm\_add:-**

1. We used not null for city and state as they are necessary and can not be empty .
2. We used student\_number as foreign key to link the two tables together,permadd and student table.

### **Course:-**

1. Course\_no is made primary key because each course will be different
2. Credit\_no will be not null because it can't be left empty

### **Section:-**

1. course\_no is made foreign key to link the table of course and section
2. not null is used on semester\_num and instructor because it can't be left empty .

## **Name**

1. course\_no and student\_no is both used as foreign key in this table
2. student \_no as foreign key because to link the table of student and name tables

## **DEPARTMENT:-**

1. name and code are made primary key in this because name and code are unique and they must be different.
2. Student\_number is foreign key to link the student table with this department table.
3. Dep\_type is not null because it must be either major or minor