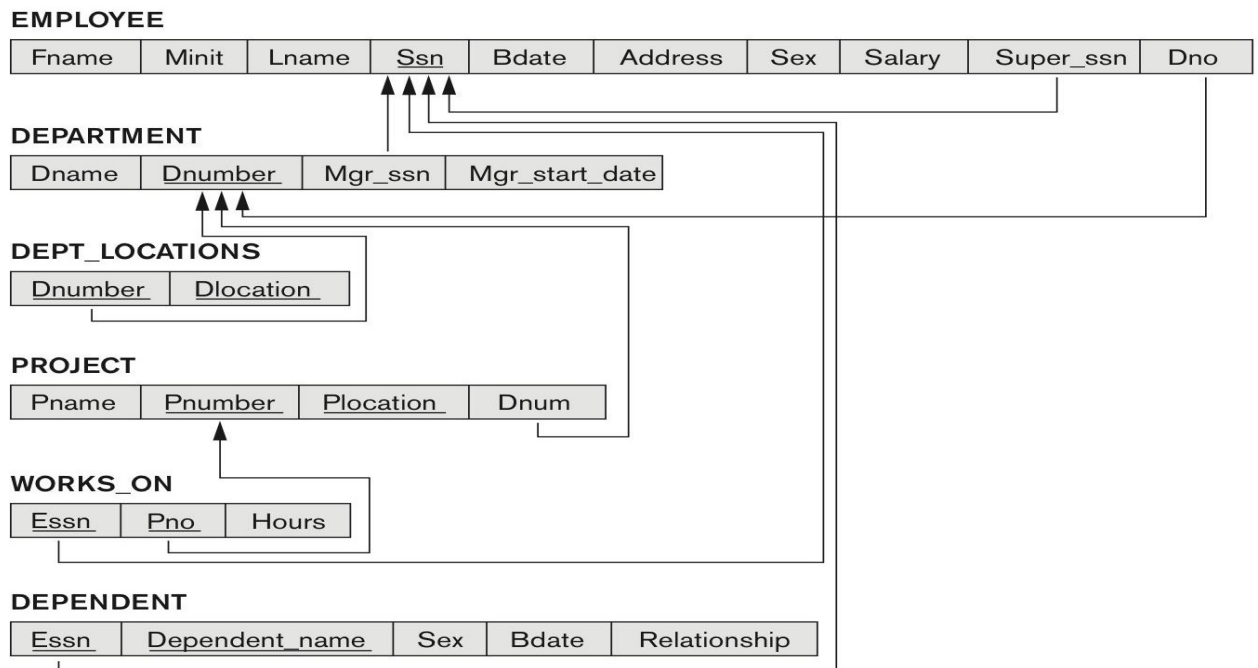# WEEK4 - SQL Constraints , Views , Truncate , delete and update operations.

Problem Statement:

1. Create tables for the below mentioned Relational design and add check, default, not null and unique constraints.   **10 marks**
   - PK and FK constraints for all applicable Relations
   - For Fname , Lname in employee add not null constraints and relationship in dependent should be not null and by default add parent as the relationship value
   - Add defult constraint for project name
   - Dname and dnumber should be unique
   - Add check constraints to BDATE in employee and dependent table (born before 1985)

EMPLOYEE

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno

DEPARTMENT

Dname	Dnumber	Mgr_ssn	Mgr_start_date

DEPT_LOCATIONS

Dnumber	Dlocation

PROJECT

Pname	Pnumber	Plocation	Dnum

WORKS_ON

Essn	Pno	Hours

DEPENDENT

Essn	Dependent_name	Sex	Bdate	Relationship

2. Perform the following operations on the table   **4*5 = 20 marks**
   a. Drop and truncate
   b. Create views and Drop views
   c. Create user and grant and revoke privileges on the table
      i. Grant select for emp table for user 1
      ii. Grant alter privileges on department table for user 2.
      iii. Grant all privileges on all the table for user 3
      iv. Grant alter ,delete, update on dependent and project table for user4
   d. Using alter table commands add column , delete column