1) Employee
   - ssn - int(9) - unique - primary key
     dob - date
     name - varchar(n)
     F.name - varchar(n)
     M.Init - varchar(n), can be null
     Address - varchar(n)
2) Salaried Emp
   - monthly cha Salary - numeric (11,2)

3) hourly pay
   - hourly pay - numeric (11,2)

4) dependents
        name - varchar(n)   - can be null
        relationship - varchar(n) - can be null

5) locations
        location - varchar(n)

6) Project
   ProjNum - int - Primary key - unique

   ProjName - Primary key - unique - varchar(n)
   ProjdesC - varchar(n)

7) department
    deptNum - Primary key - unique - int
    dept Name - varchar(n) - unique

    locations. multivalued attribute - varchar(n)

    no. of employees - int

2) Using check constraints we can do semantic check

    Check (length (SSN) = 9)

    Check (hourly pay ≥ 7.5)

dependents
SSN - P.K
name
relationship

Employee
SSN - P.K
dob
name
F.name
M.Init
Address
Employee type

locations
dept Num - FK
location

department
dept Num PK
dept Name
location
managerid
no. of employees

Project
Proj Num - P.K
Proj Name - P.K
Proj desc

Salaried emp
SSN - FK
monthly Salary

hourly Pay
SSN - FK
hourly Pay

Company work
SSN
Proj Num
Proj Name
dept Num