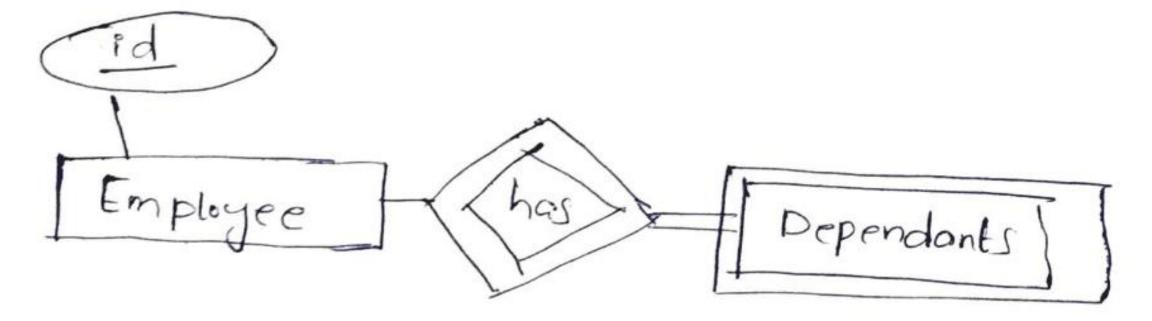
Part A

- A Relationship is an association that Exists between 2
 - All vibutes. As a property or characteristic of an entity

No proper Subset is a Superkey. Candidate is a Superkey whose proper Subset is not a Superkey.

2) A weak entity set that doesnot have a primary key. It is represented by double rectangular box and the identifying relationships are represented by double diamond



weak entity always have dotal participation

There are mother young joins

- 1. P Unson a
- 5. P Naturaljo:n Q
- 2. Pintersection a 6. Pleft Outer Join a

7- Pnd 1- Pud max = xxy max=x (xzy) min = 0 (.: x=y=NULL) min = 0 (.: taking x=y=NULL) max = x (: if they are disjoint we will all tuples of P) min = 0 (-: x=y = NULL) max = y (: if they are disjoint) min = 0 (.: x = y = NULL) 5. P Natural Join Q max = * * y (Carlesian product if no matching key Constraints) men = .x (xcy) 6. Pleft Outer John a max = x (from left table) men = 0 (x=0)

7. P/Q max = x (y=0)

Person Passport

For passport It is Person, every person has only I passport and if passport Exist means then it has a person available to it and Viseversa. Excluding he special Cases (Person has may be have passport mor may not be).

[So It is 1:00) one to one

Part C

a particular date and time

- True. when an entity is related with itself is known as recursive relationship.
 - Entities are represented by means of their properitors called attributes. All Attributes have values.

Like entities, relationships can have attribute we define a sale to be a relationship between a customer entity and a given number of the product entity that Exists