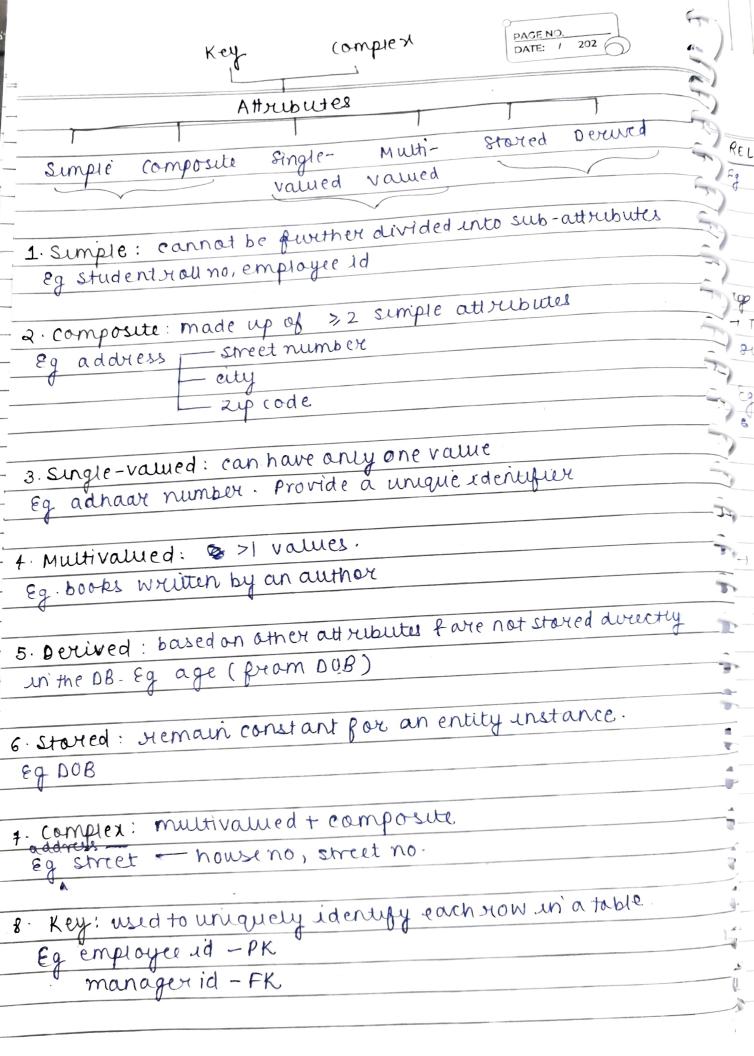
from other objects . May be conceptual (job) · Collection of similar entities is called an entity set.

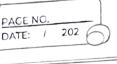
## ATTRIBUTES

- · An entity is described using a set of attribules
- · Each entity in an entity set has the same attributes
- · We must identify a domain of possible values for

each attribute

(DOB) (Name) Domain fare Name: set of 20 char strings EMPLOYEE salary





RELATIONSHIPS: association among 2 ar more entities.

Employee | Department |

Norks in Relationship

Ternary: We must record an association b/N

Suppliers parts & project

Eg

SUPPLIER SUPPLY

PROJECT

PARTS

- Recursive: employees report to other employees.

Eg.

supervisor

subordinate.

REPORTS\_TO

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Cardinalities: expresses the no of entities that can				
be associated w/ another entity via a relationship set.				
1. One-to-one: any single How of table 1 can be				
1. One-to-one: any single How of table 1 can be related to only one Herord of the table 2, & vice versa				
89				
Employee works-in Dept.				
one employee will work in one employee will work in one employee will work in one employee				
Each dept has a single employee.				
2. One-to-many:				
one or more nows of table 2, but the nows				
of table 2 can only relate to a single now of table 1.				
Eg [customer] gives Morder				
many to one:				
many to one:				
student M taught-by teacher				
many-to-many:				
student M Guidier N Course				
Studies course				

0

6,

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form a primary to
Sorm a prumary key st must be associated an identifying bey set, which is
10 () NTO the week and the Cot. ( Fit
and has a possibility of the second contract
We ak entitus related to the same owner entity.
Weak entitus related to the same owner entity.  Norst case: a composite attribute of an the weak entity's
ettributes well be premary key.
· PK (WE) = PK(Id. Set) + WE Partial Rey (WE)
· Owner & weak ontitu set; one-to-many
I. WE must have total participation in the identifying
relationship set (IRS)
· IRS should not have descriptive attributes
· WE set may have > 1 adentifying entity set.
Name (DOB)
Salwy
Employee Nidentifying set (owner)
la entifying out
pependents-of
N
Dependent
Name (Birth-date)
Partial Rey