

12-April-2021

Monday

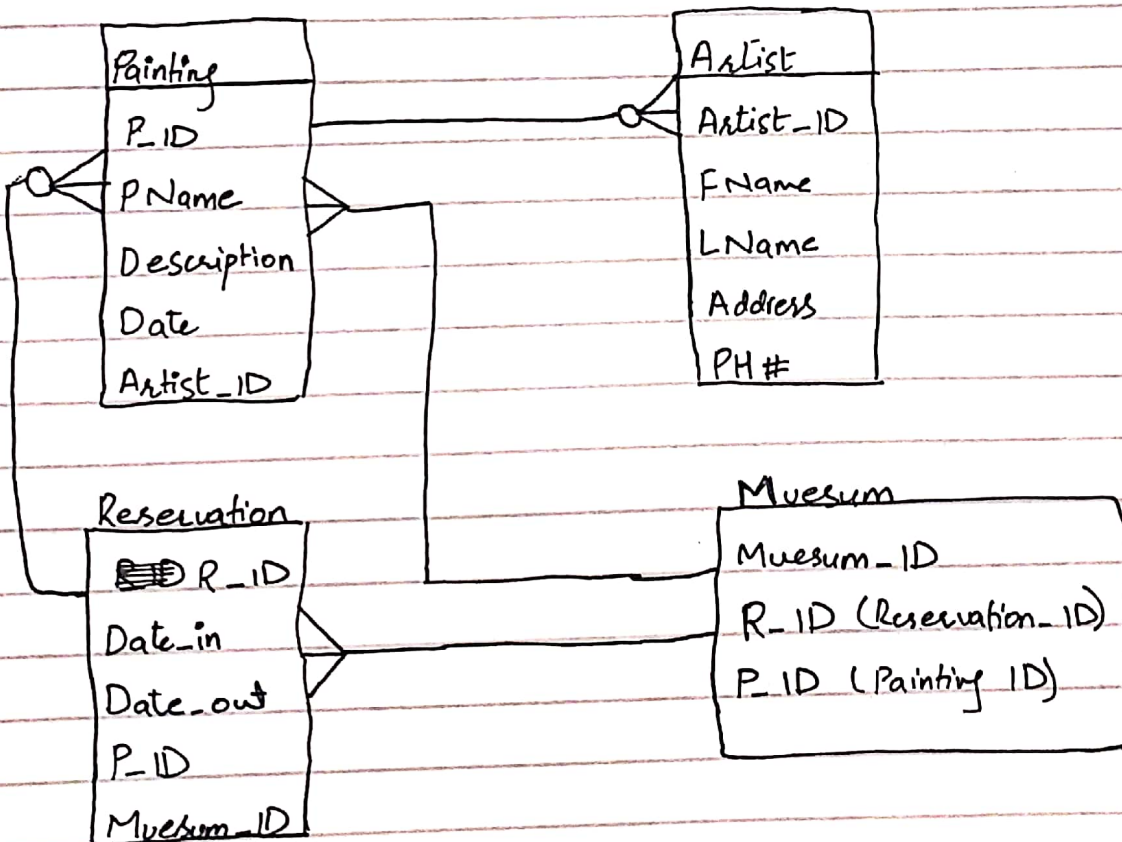
Abdul Haseeb
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Quiz = 01

Question 1:- ER Diagram

Total Entities = 4

- i) Paintings
- ii) Artists
- iii) Reservations
- iv) ~~Museum~~ Museums



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Q2 Difference b/w Strong and weak entity with examples.

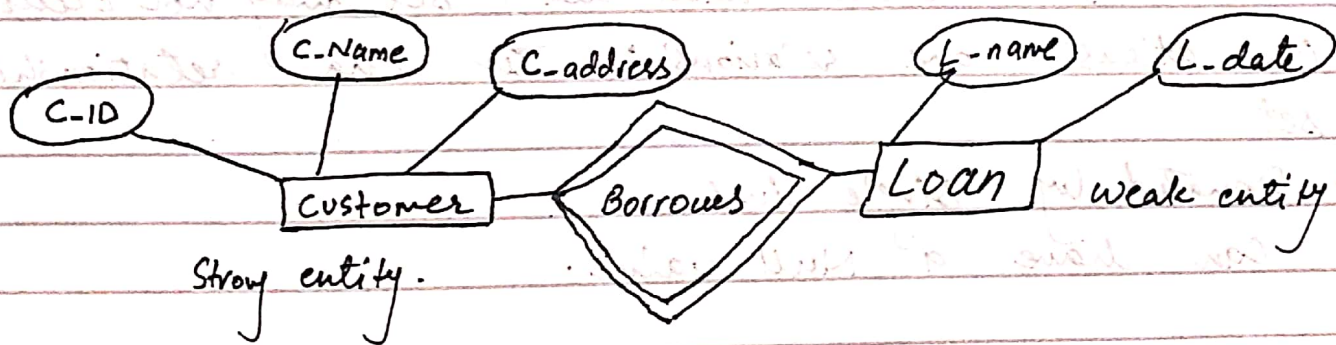
Strong Entity

- Totally independent
- Denoted by 1 rectangle
- Has primary key
- Uniquely identified

Weak Entity

- Dependent on other attributes / Strong entity
- Denoted by 2 rectangles
- No key attribute on its own
- Depends on other attribute for identification.

example..



Q3 Total participation and Partial participation.

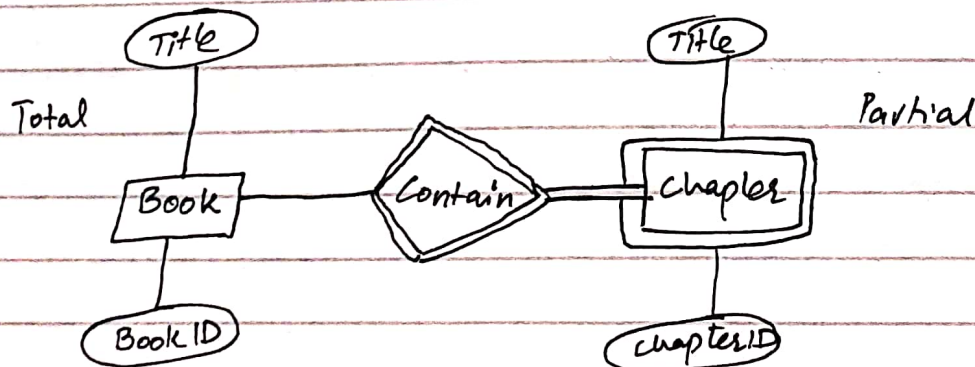
⇒ Total Participation:-

- It is when each entity in the entity set occurs in at least one relationship in that relationship set.
- represented by double lines from entity to relationship
- Can't have null value.

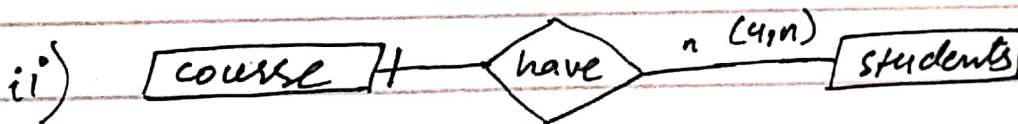
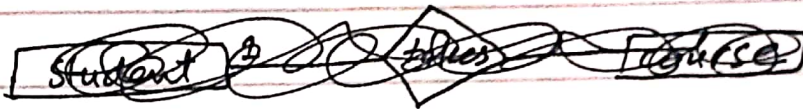
⇒ Weak Participation:-

- It is when each entity set may not occur in at least one relationship in that relationship set
- Denoted by single lines
- Can have a Null value.

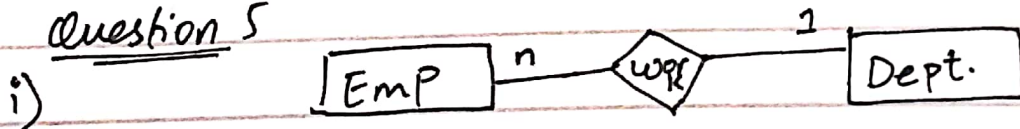
Example



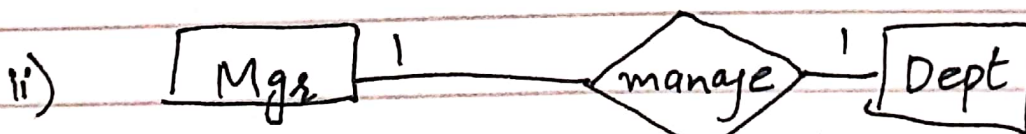
Q4 Cardinality Constraints..



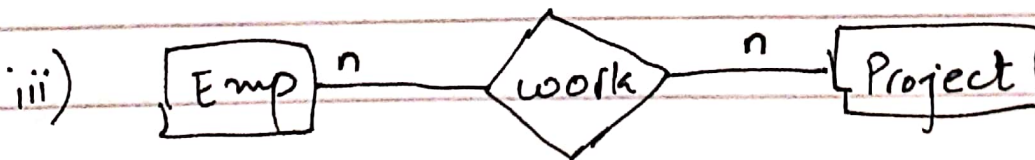
Question 5



= Many-to-One Cardinality - Ans



= One-to-one cardinality Ans



= Many-to-Many Cardinality Ans