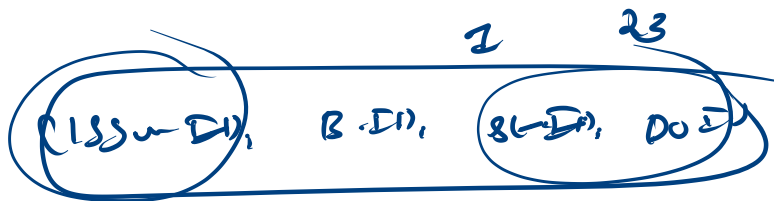
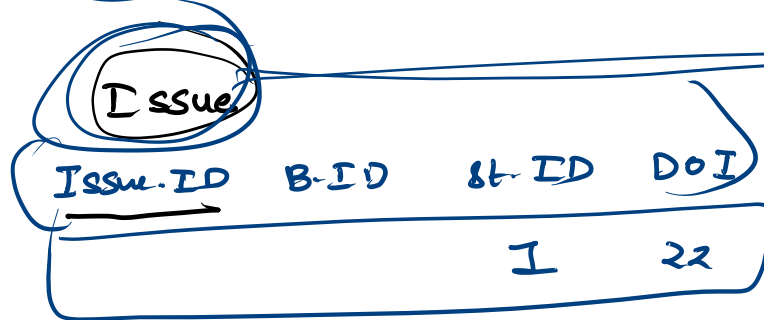
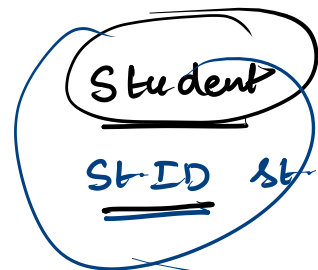


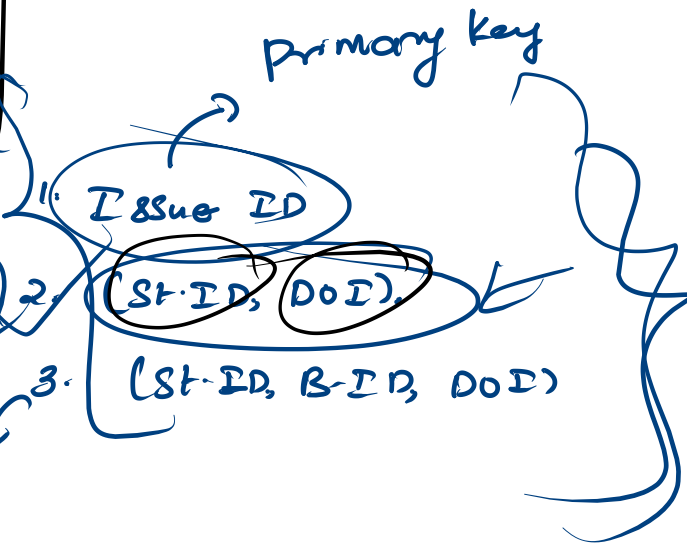
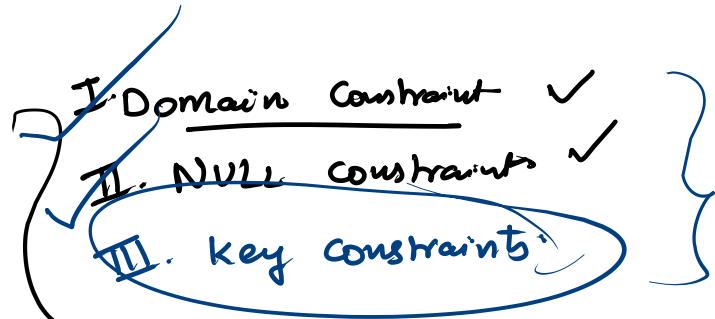
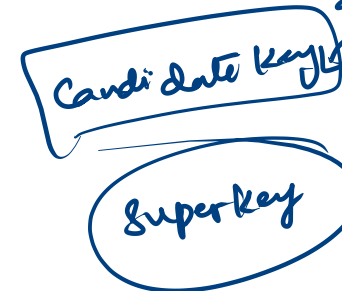
Logical Design  $\rightarrow$  Conceptual scheme  $\rightarrow$  Relational Data model

only ONE book is issued to a student

### Library Management:



- 3 Keys:
- I. Super Key
  - II. Candidate Key
  - III. Primary Key



# Foreign Key 1-

Dom

Issue

<u>Emp ID</u>	<u>Sup ID</u>	<u>Emp ID</u>	<u>DO I</u>
	1 2 3 4 5		

Emp  
Dep n

§

<u>E ID</u>	<u>D ID</u>
1	1

Head of Dep

(E ID, D ID)

	Domain cont	NULL cont	Candidate Key	Primary Key	Foreign Key
Insertion	✓	✓	✓	✓	✓
Delete	✗	✗	✗	✗	✓
update	✓	✓	✓	✓	✓

Student

1	
2	
6	
7	NULL

Issue

7	

1. REJECT
  2. CASCADE
- NULL  
Default value

T<sub>1</sub>

u-ID	B

T<sub>2</sub>

u-ID	BID	

Student

S-ID Name Phone

Books

B-ID B-Name Publisher xof

Issue

Issue-ID S-ID B-ID DoI

