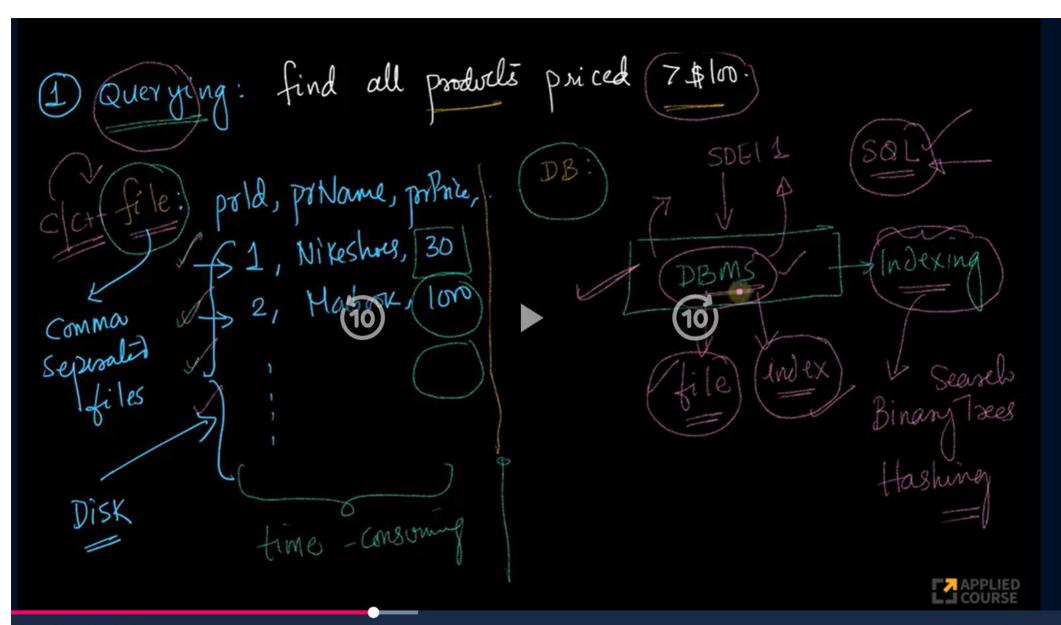
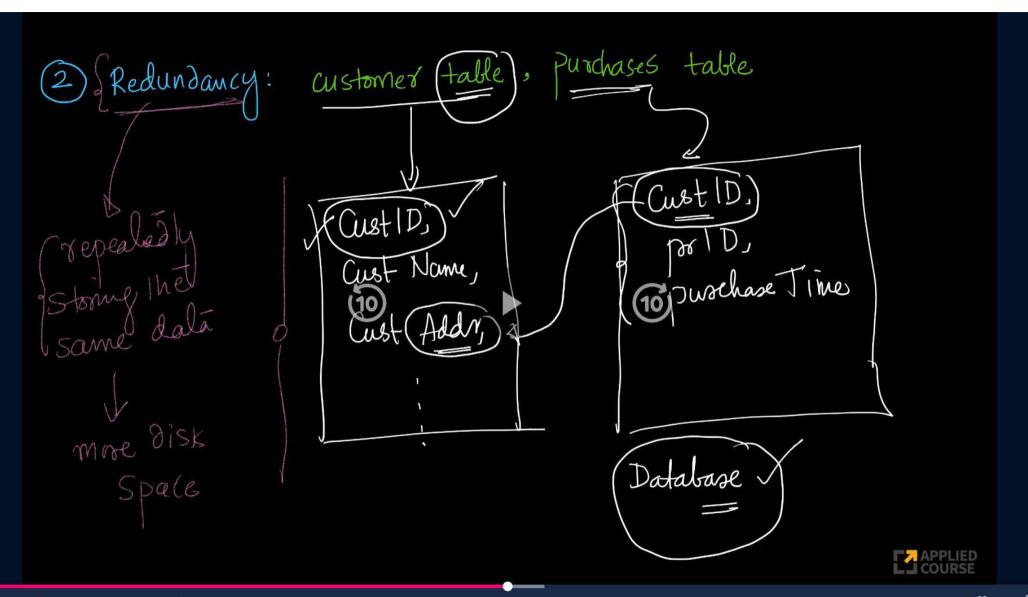
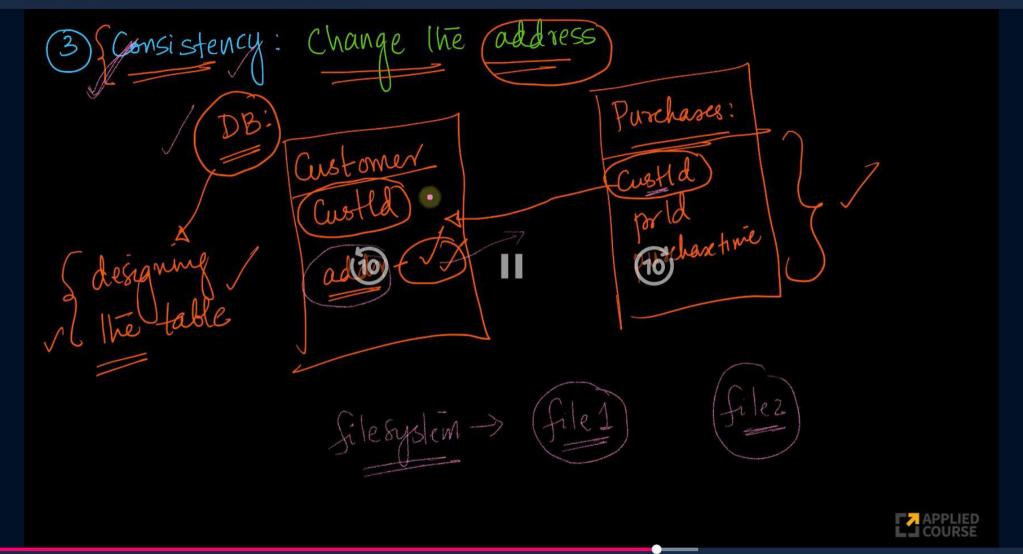
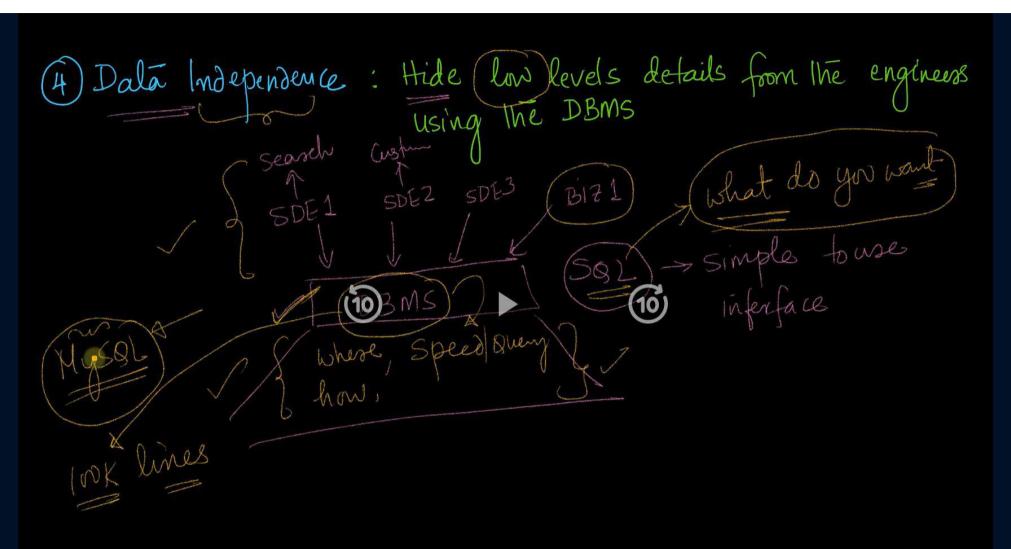
not simply Why Slem -> ends op storing rosade espholes (10) lysg. SDEZ B121 DBMS APPLIED COURSE



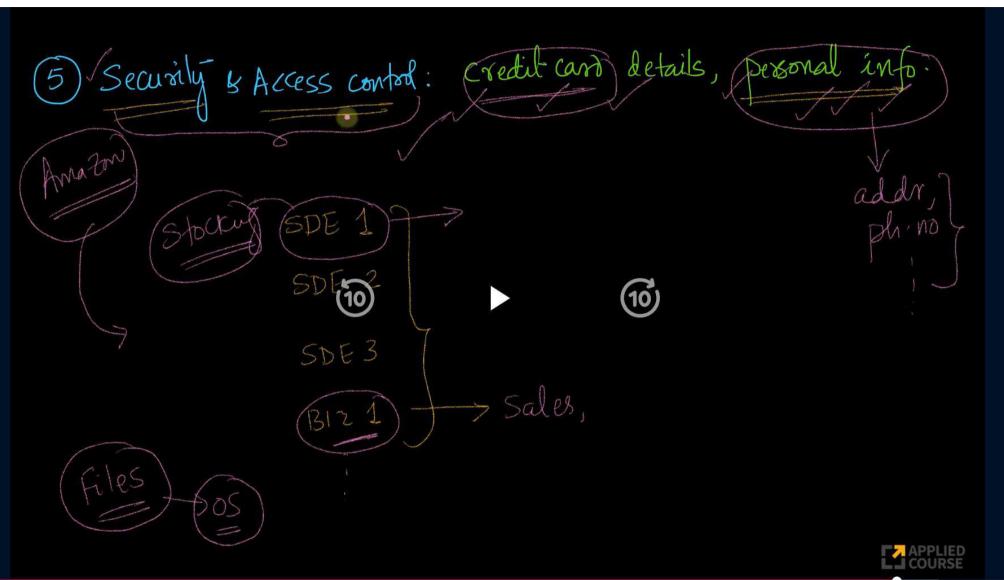


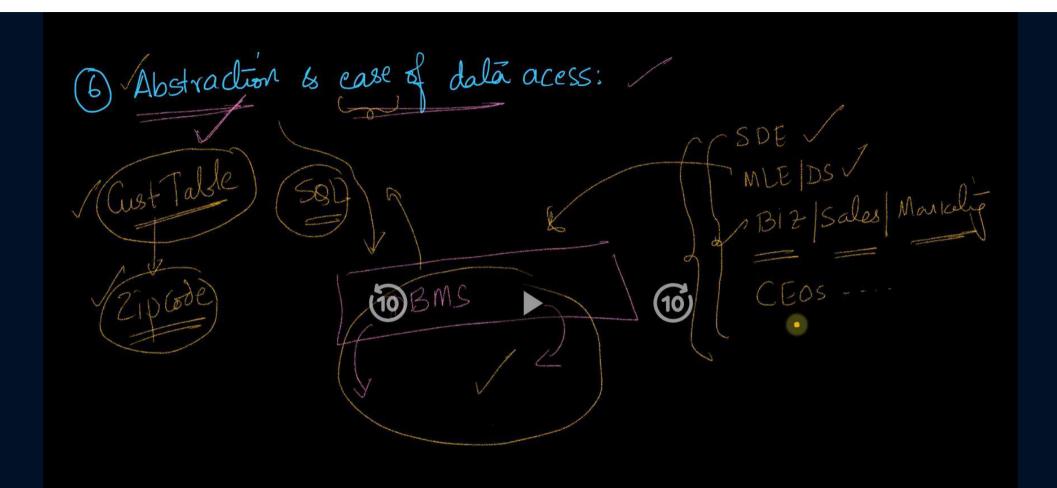














Tables, Keys & Schema

Relational Databases:

Relation = Table (10)

Table = Set of yours & columns

Termindogy / (Graph) databses

> Relational Algebra 100 Set heavy

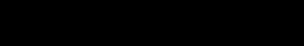
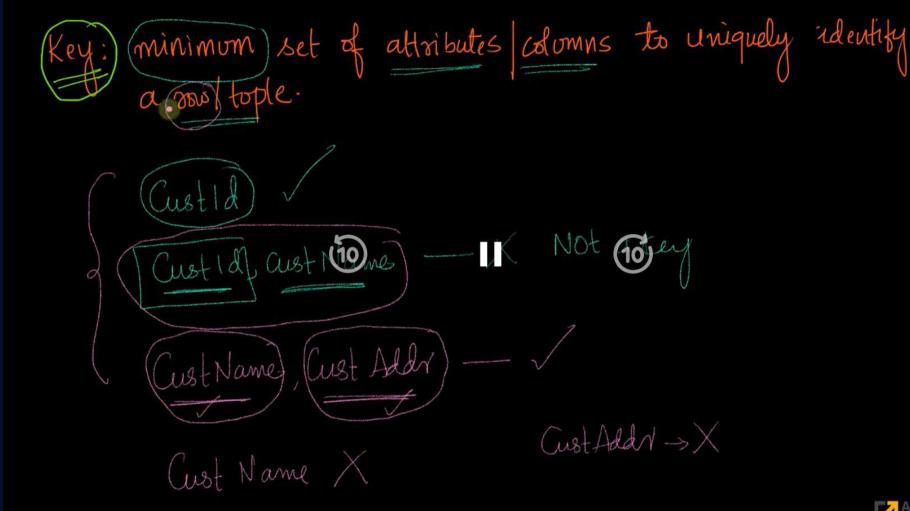


Table:	y	S(dumns)/field	attributes)		County
	Custld	Cust Name	Cust-Addy	Cust Zipcode	XTuples/
~ (Rable)	1	abc	202,	94086	< - 205M]
(us) (us)	2	X47	Flat,	94021	< 30W2
		1	,	,	`
2 000			4.		1
l plattov.	•		•	•	
10 = 7		10	1 0		
instance: Set of tople rows + Table strolline					





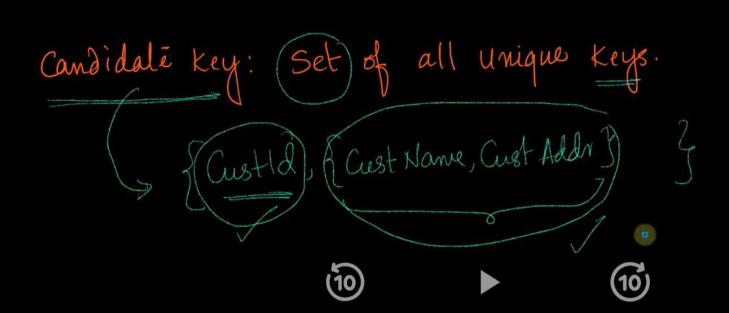


Simple Key: Key with only one altil column

compound key: Key 10 isth multiple attrib comme

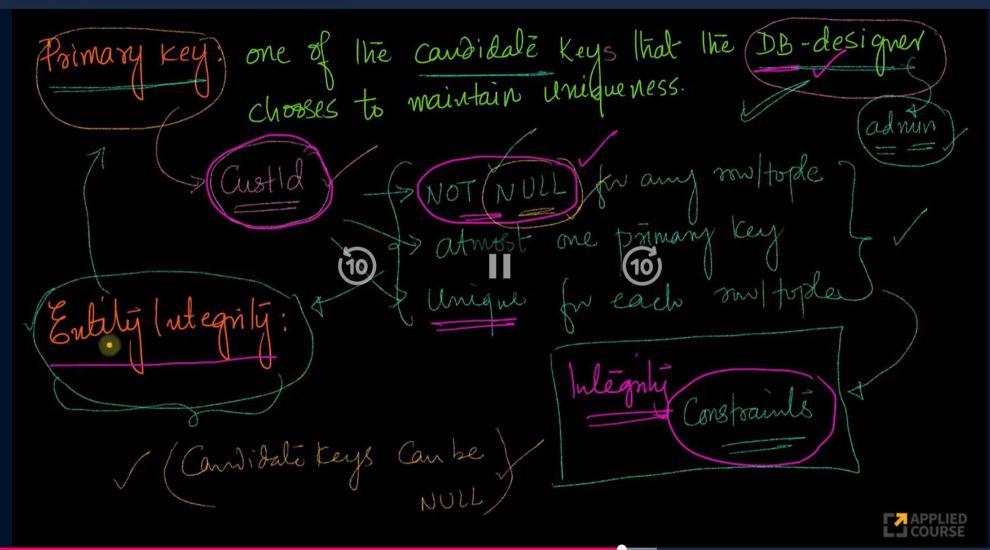
Cust Name, Cust Adar

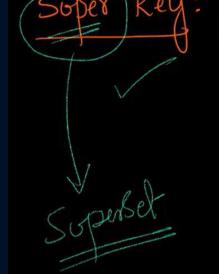






0









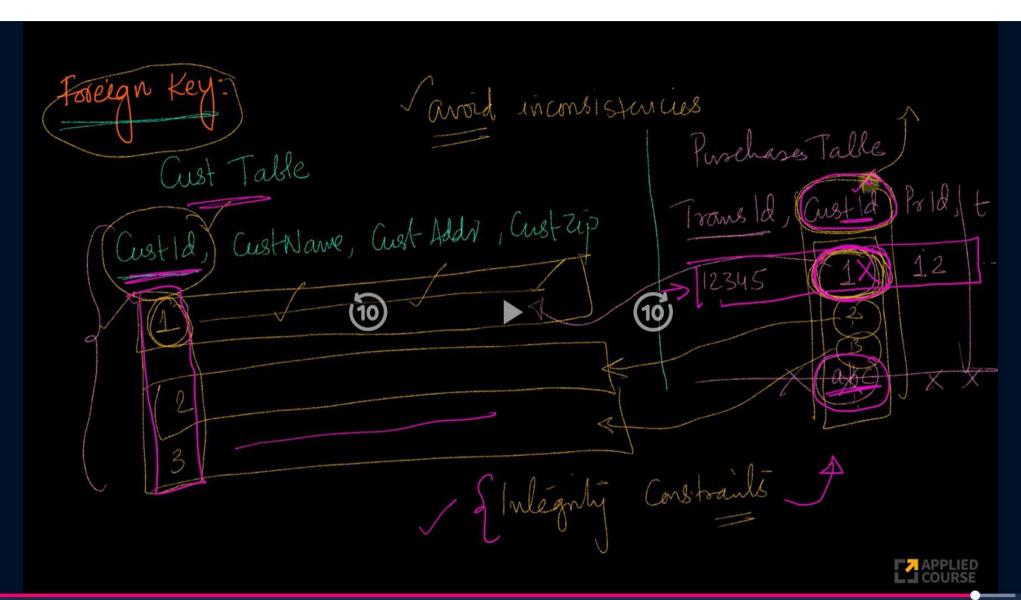
[Cust Id, Cust Name] = {Cust A] U {Cust Name}

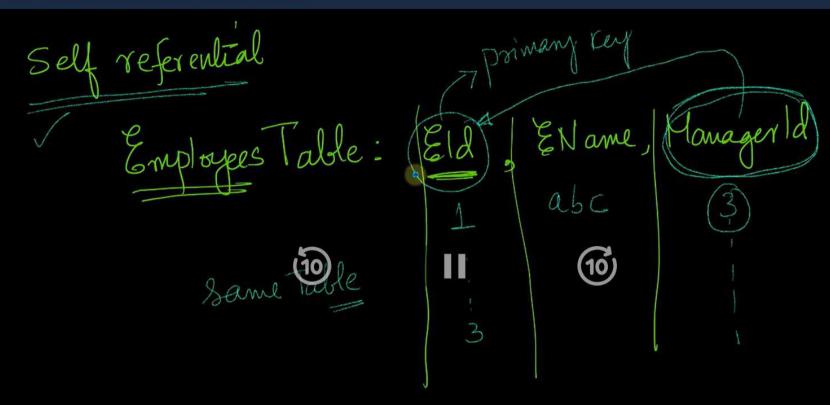






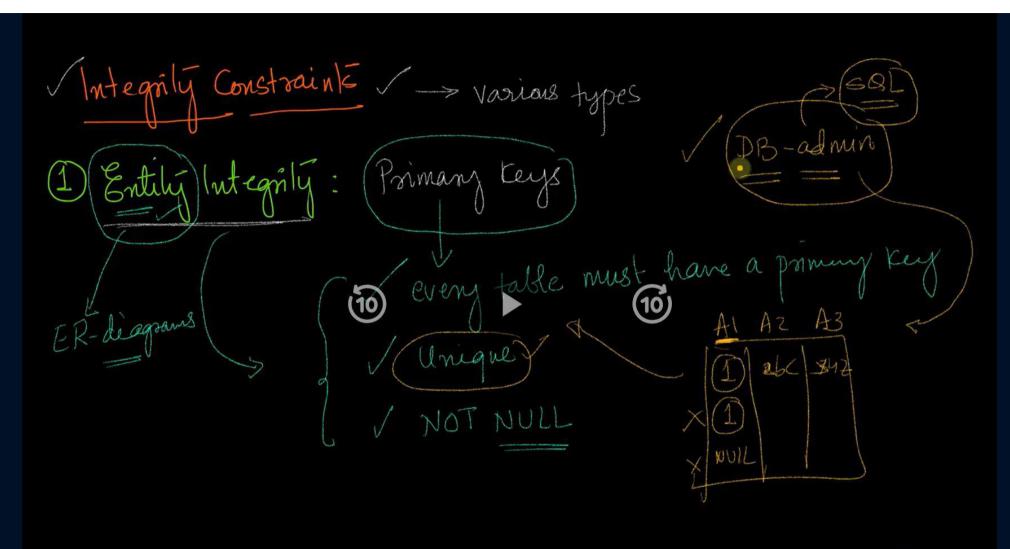




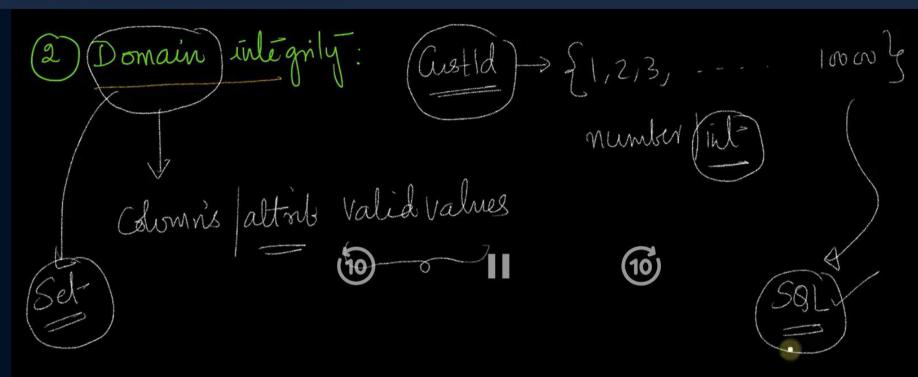




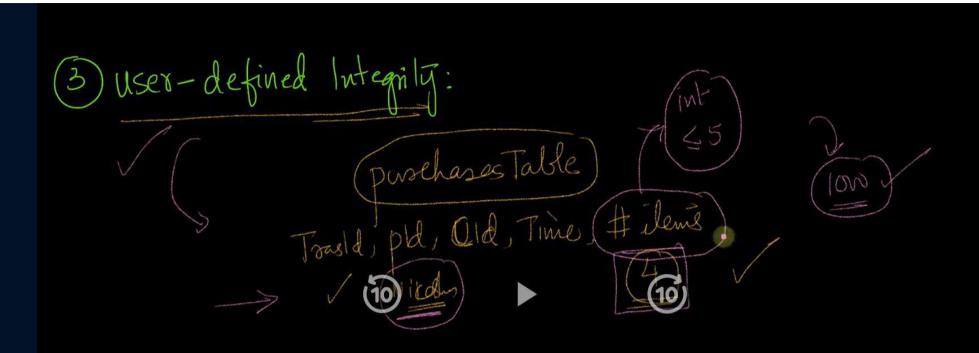
34:38 / 34:41













Referential Integrity: freign keys Purchases Table Cust Table Cld, CName, CAddy 123456... 12:30 abc 11:30 XY2 Referenced Table



Changes to Referenced Table: Purchases Table Cust Table 1 CName, CAddy 78910 5 PX GNM on delete no action / Insent -> No Changes Ddele

forcion Example ON DELETE CASCADE 2,4 1 - 20w/tyles multi-level Cascade 4 10

(Q1) R(A1, A2, A3, An)

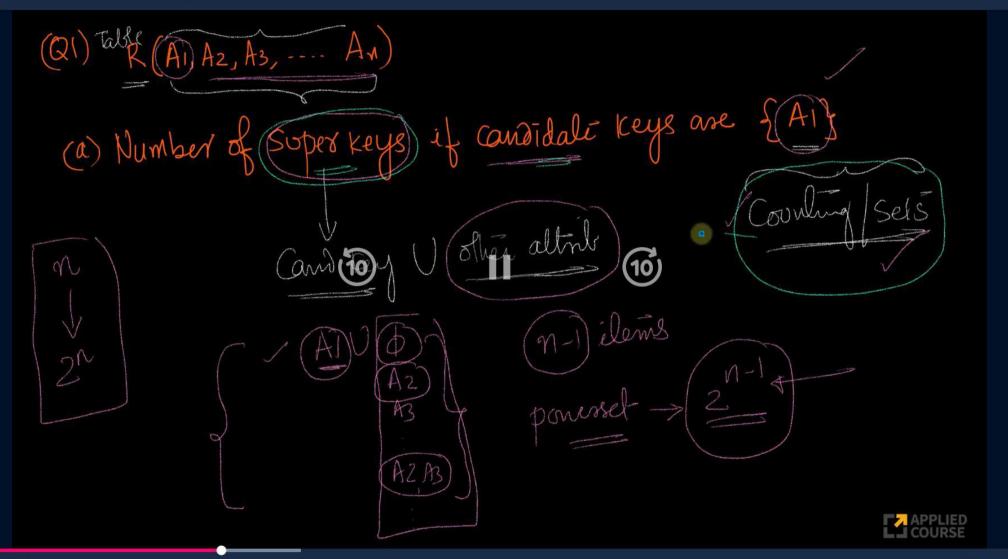
(b) Number of Super keys if candidate keys are {A1, A23

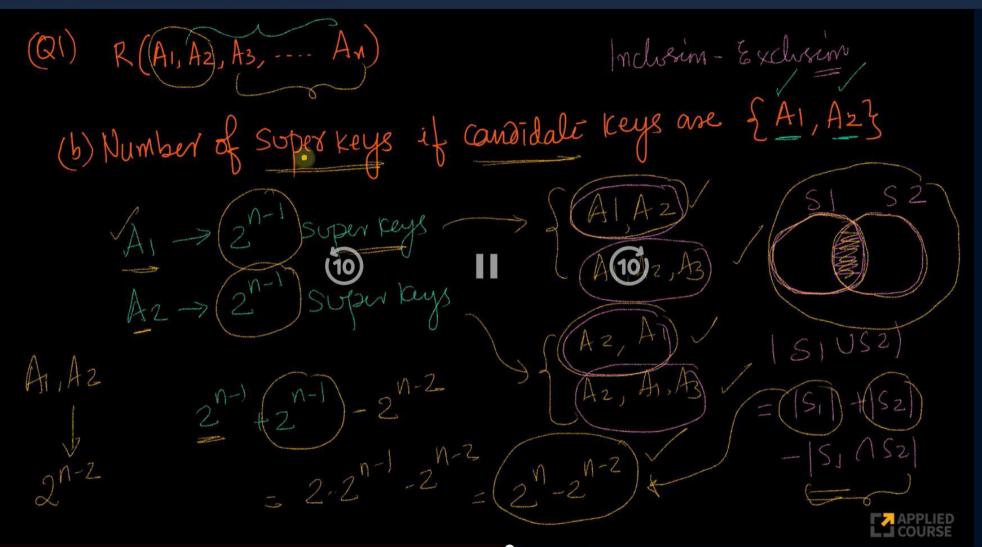


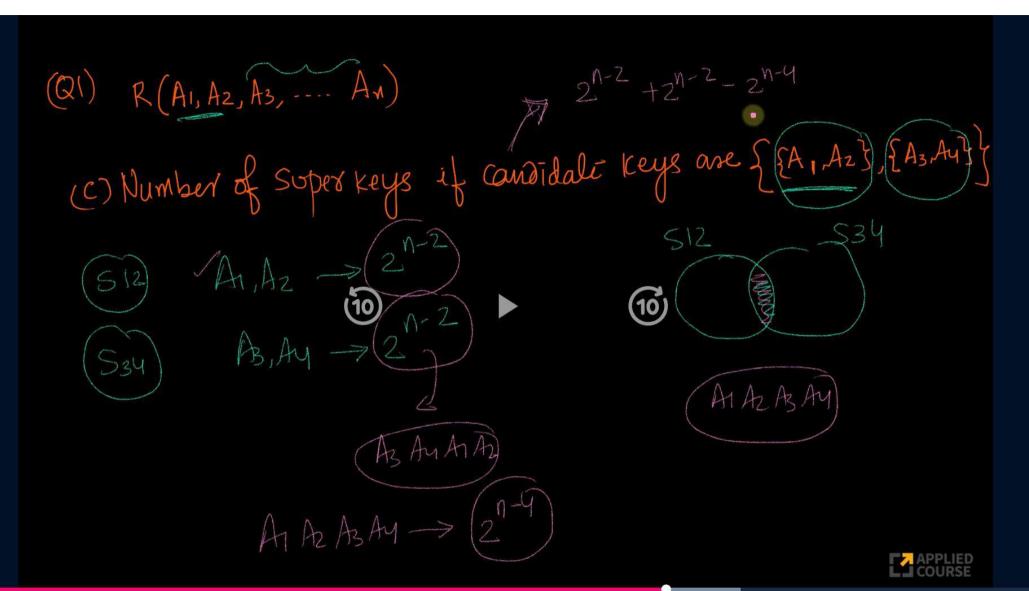




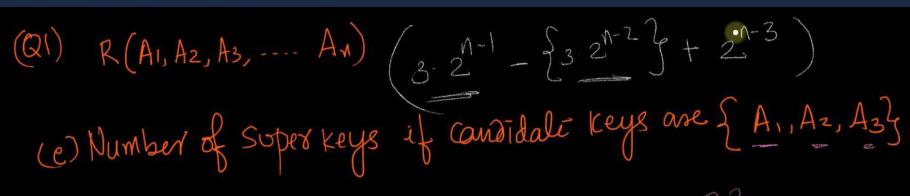








(Q1) R(A1, A2, A3, --- An) (d) Number of Super keys if candidate keys are {{A, (Az)}, A1, A2, Ay -> 2 (10)



$$|S_1US_2US_3|$$
 $= (|S_1|) + (|S_2|) + (|S_3|)$
 $+ (|S_1 \cap S_2 \cap S_3|)$
 $|S_1 \cap S_2 \cap S_3|$
 $|S_1 \cap S_2 \cap S_3|$



