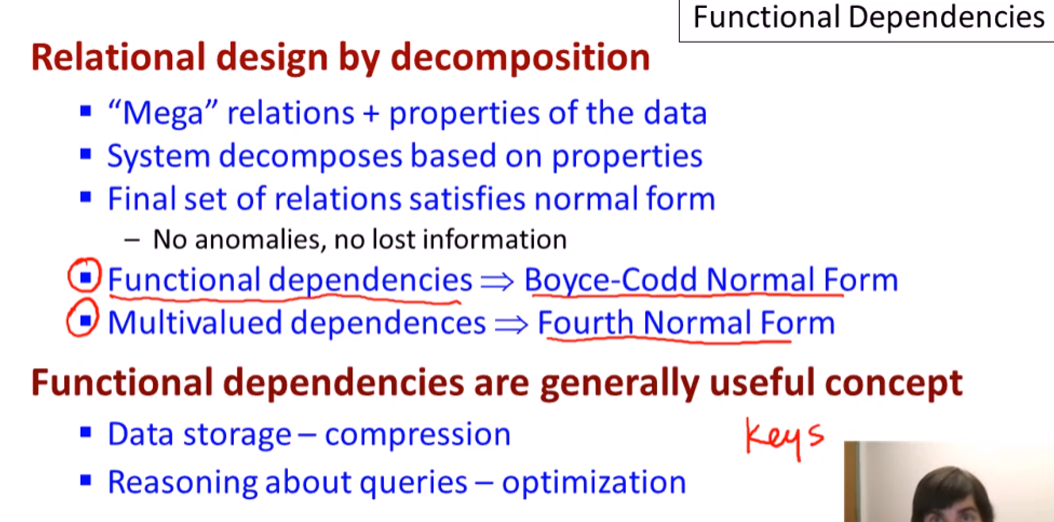
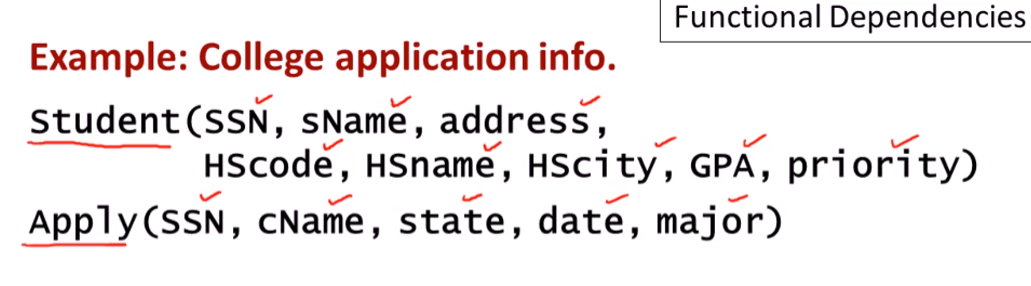
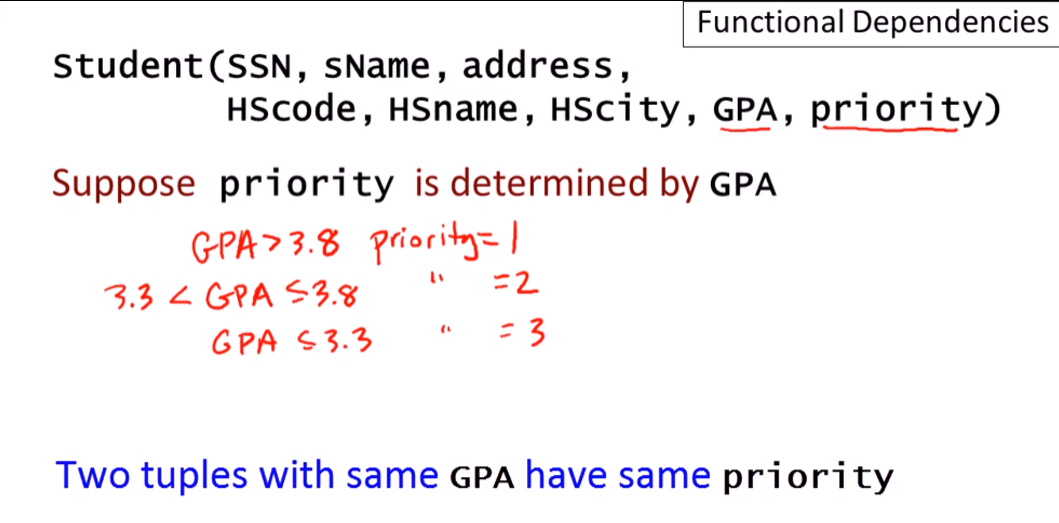
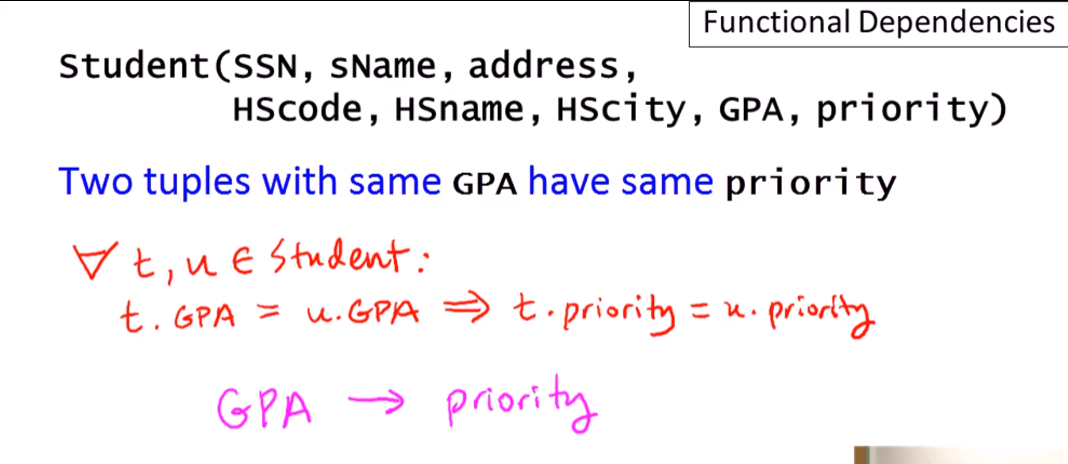
**VIDEO PART 1**





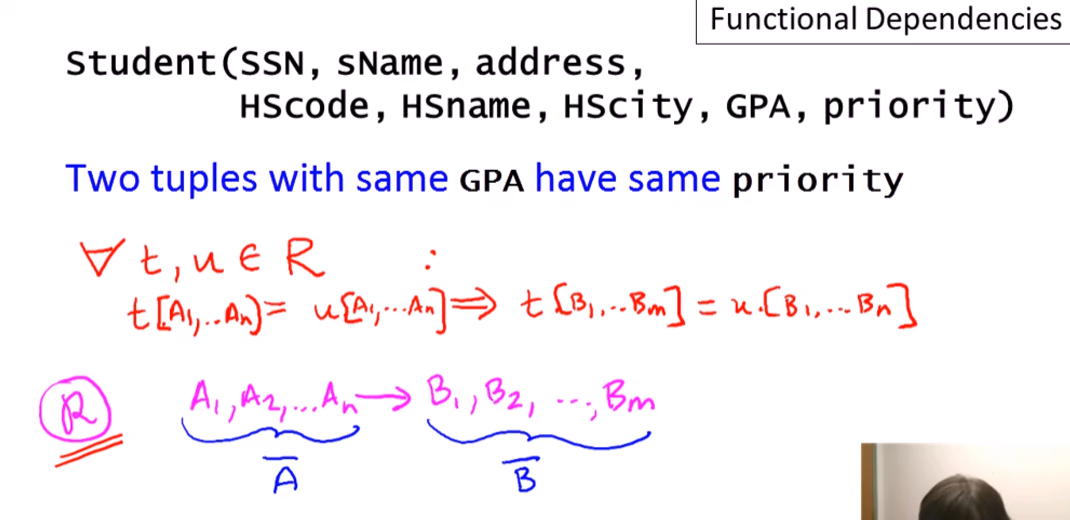


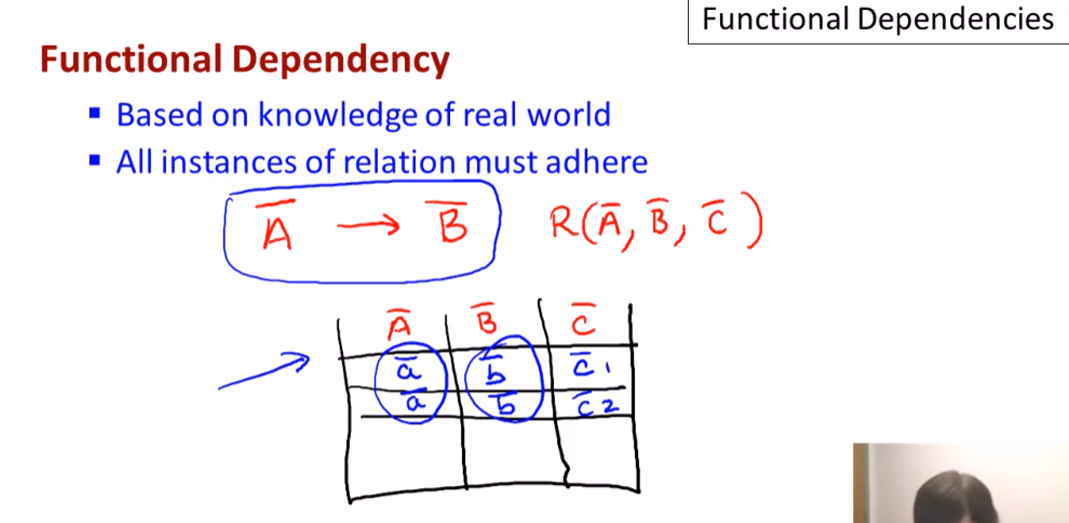


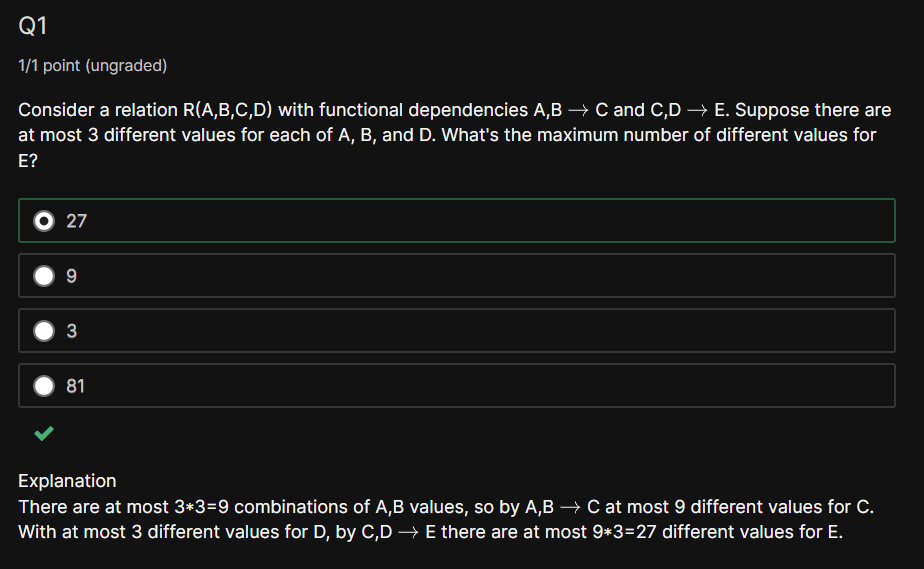
Generally,



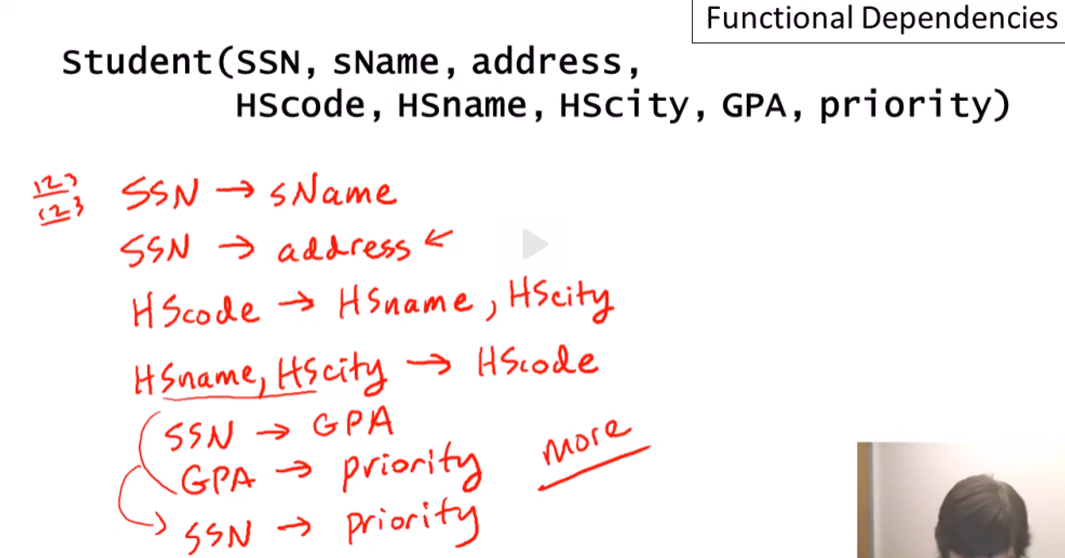
More generally using a SET of attributes:

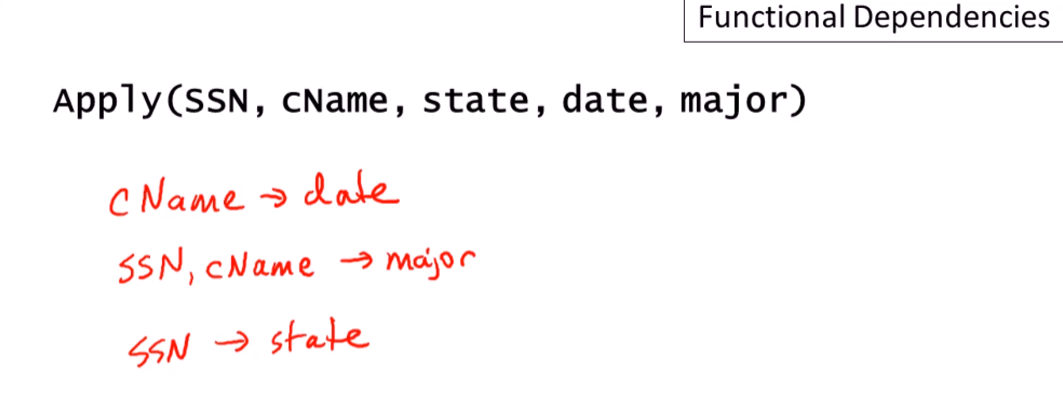


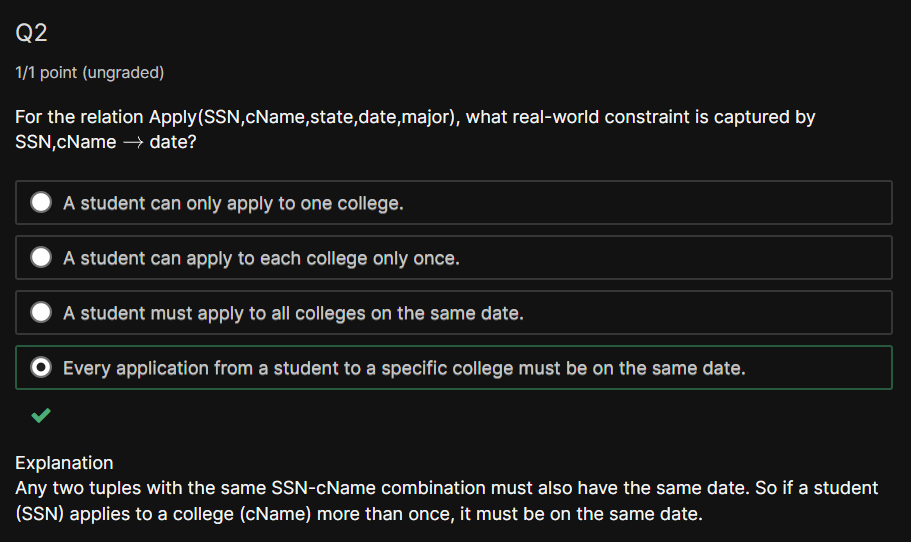




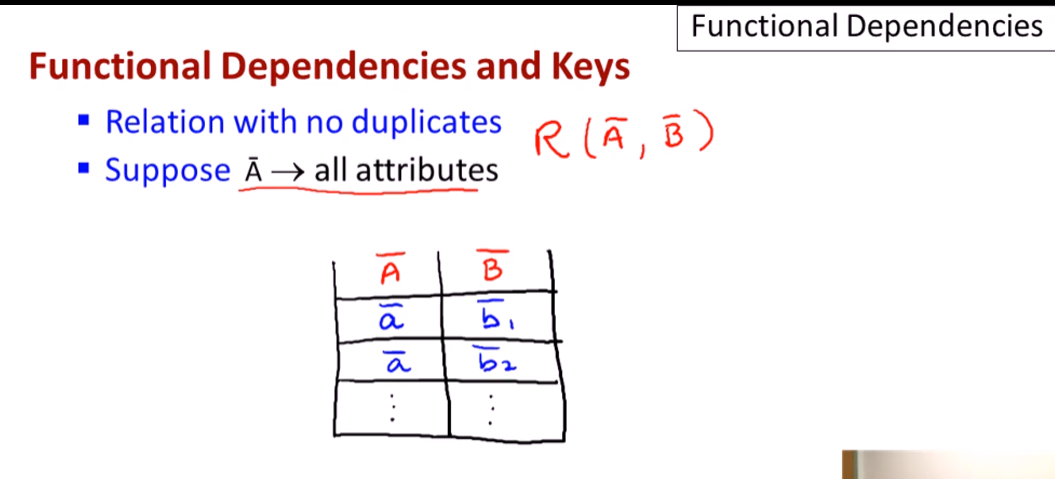
**VIDEO PART 2**

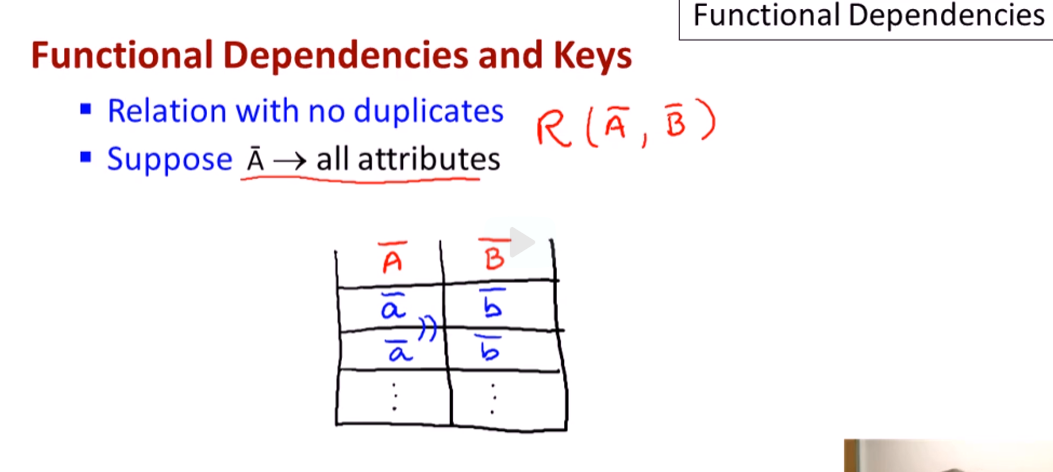




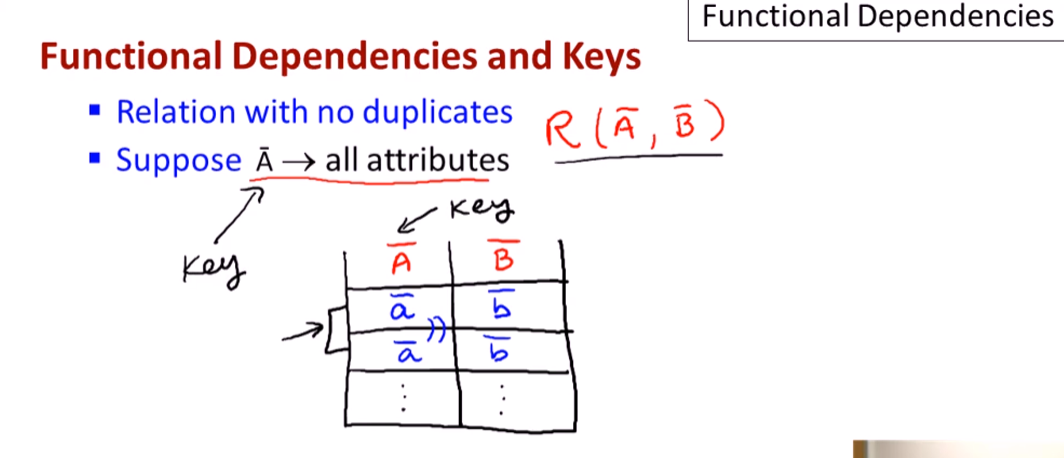


**VIDEO PART 3**

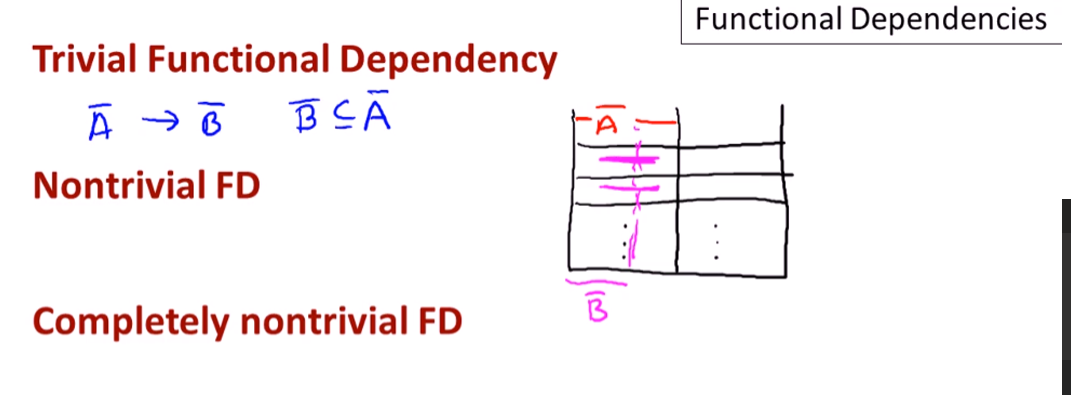




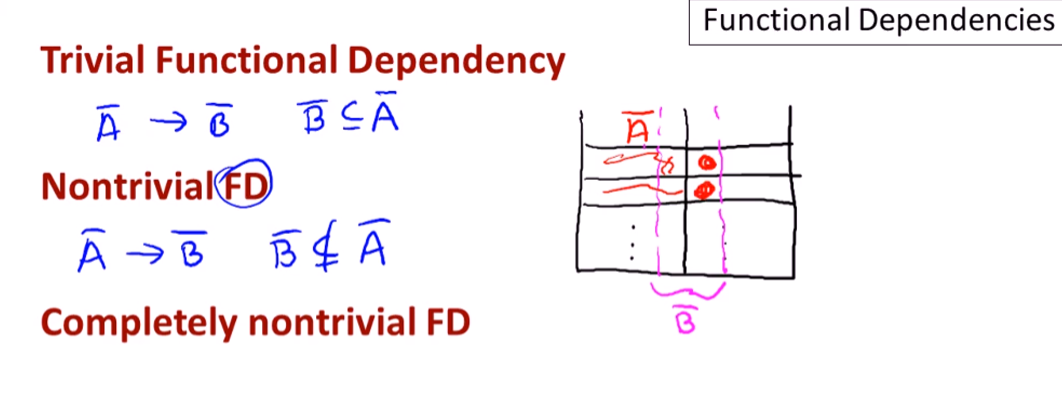
* A bar is equal therefore b bar must be equal if it is dependent on A



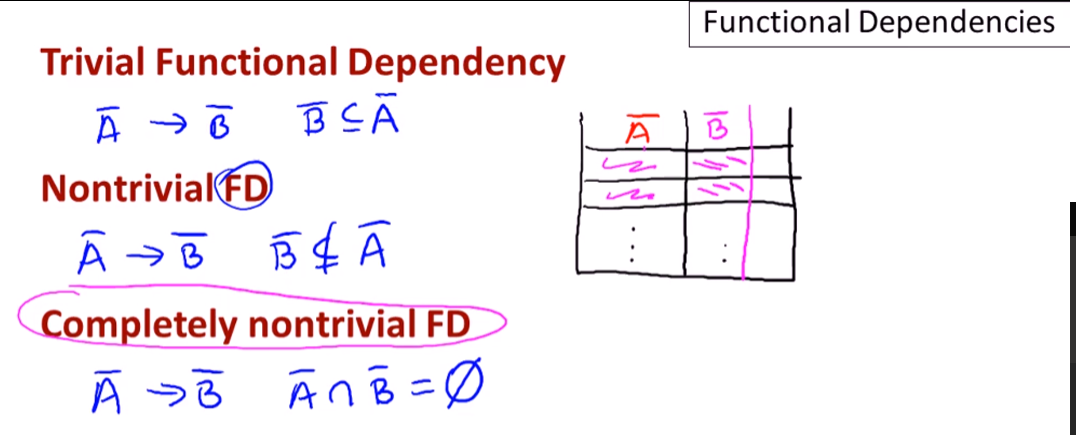
* We cannot have tuples with the same key
* This is the notion of functional dependency

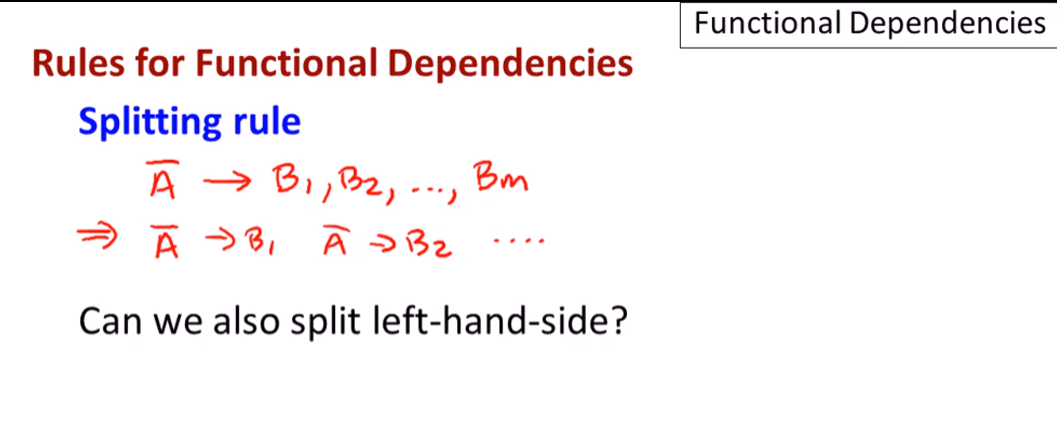


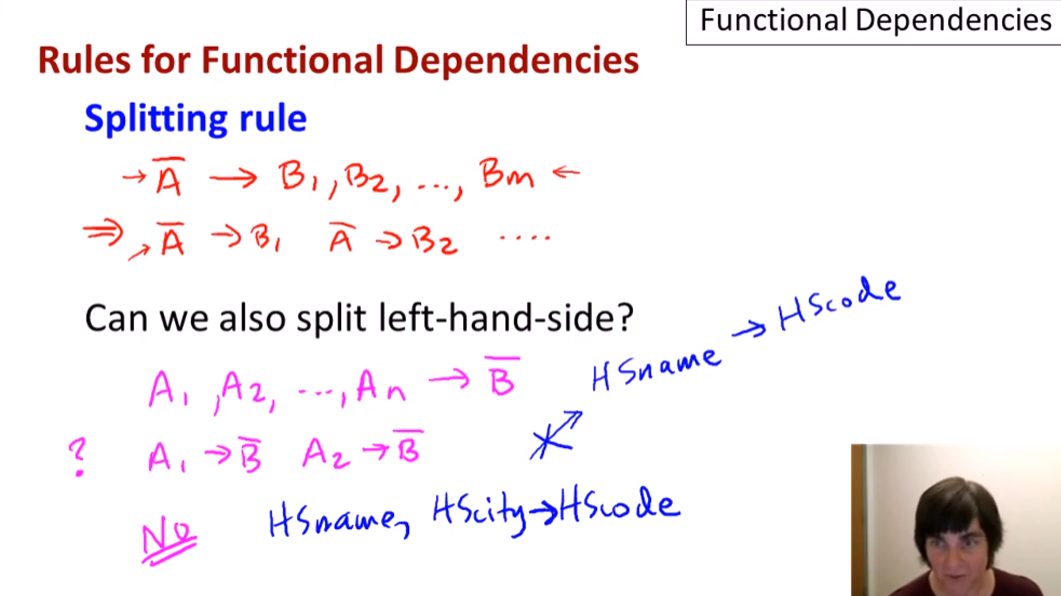
* The attributes of B bar must all agree to the A bar attributes in which they are subset B

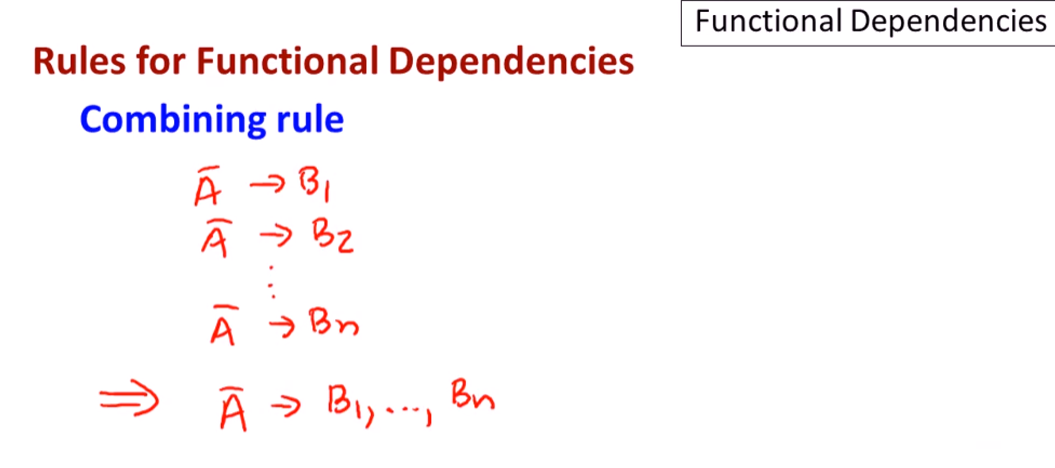


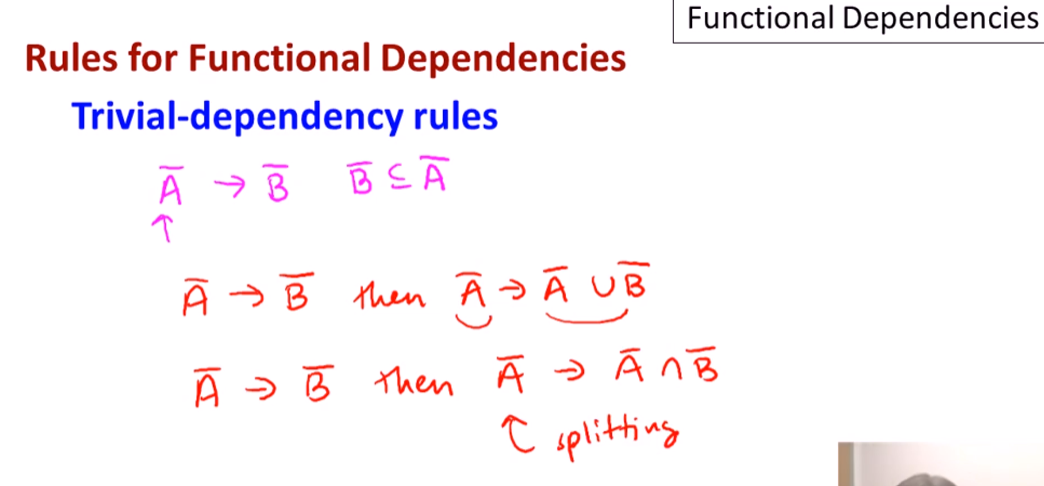
* The attributes of A bar that are the same with B bar must agree
  + The intersection of A and B

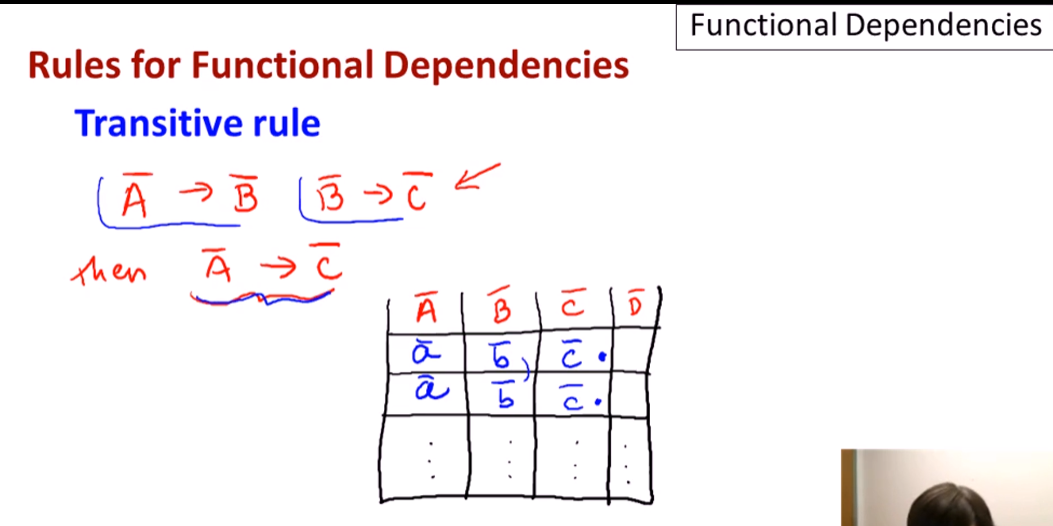


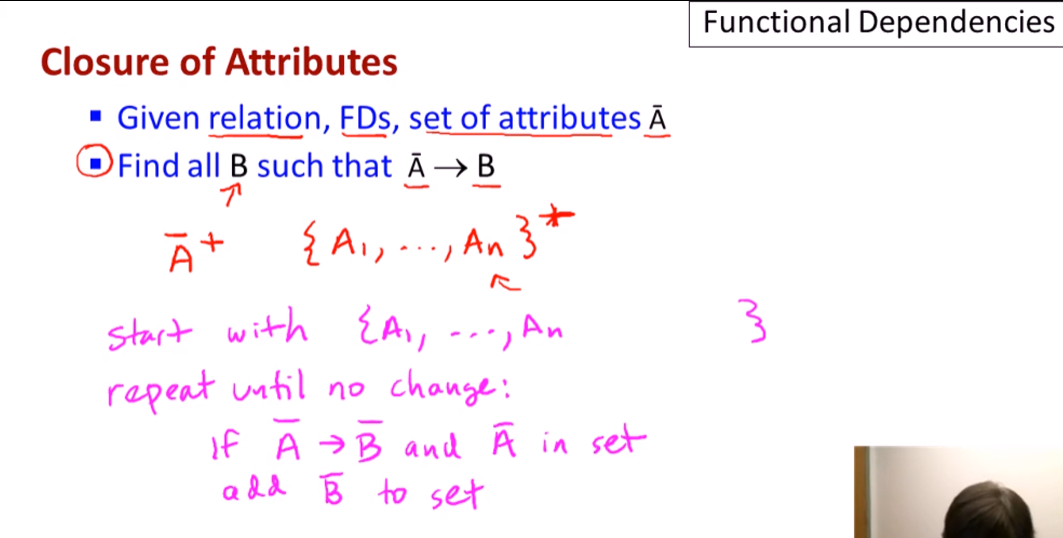


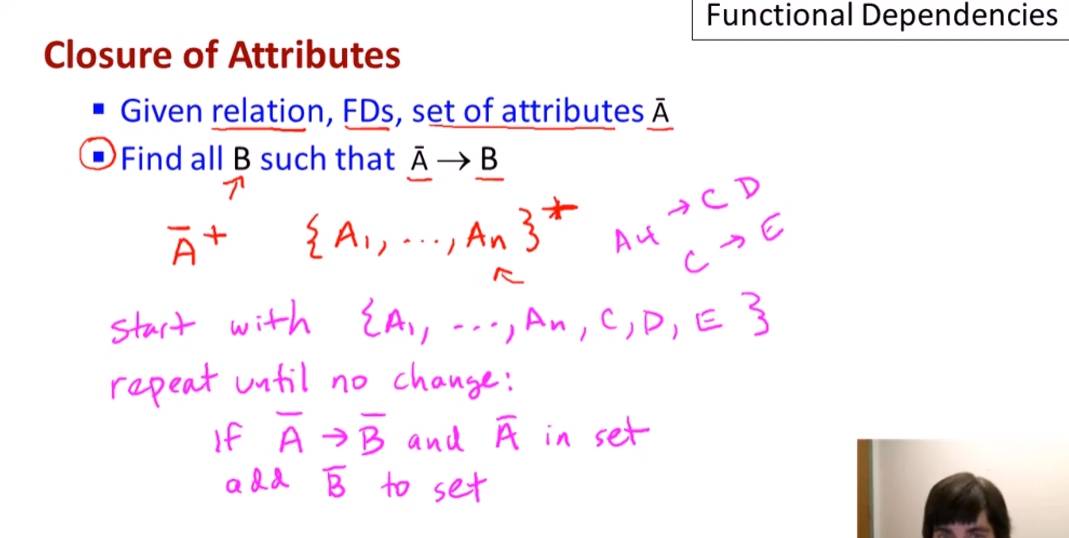


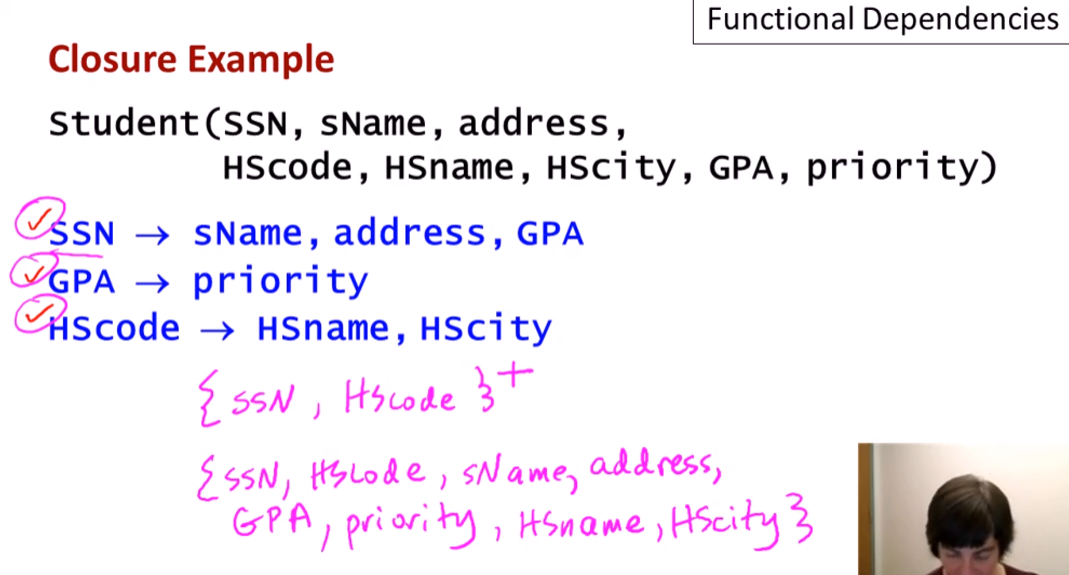


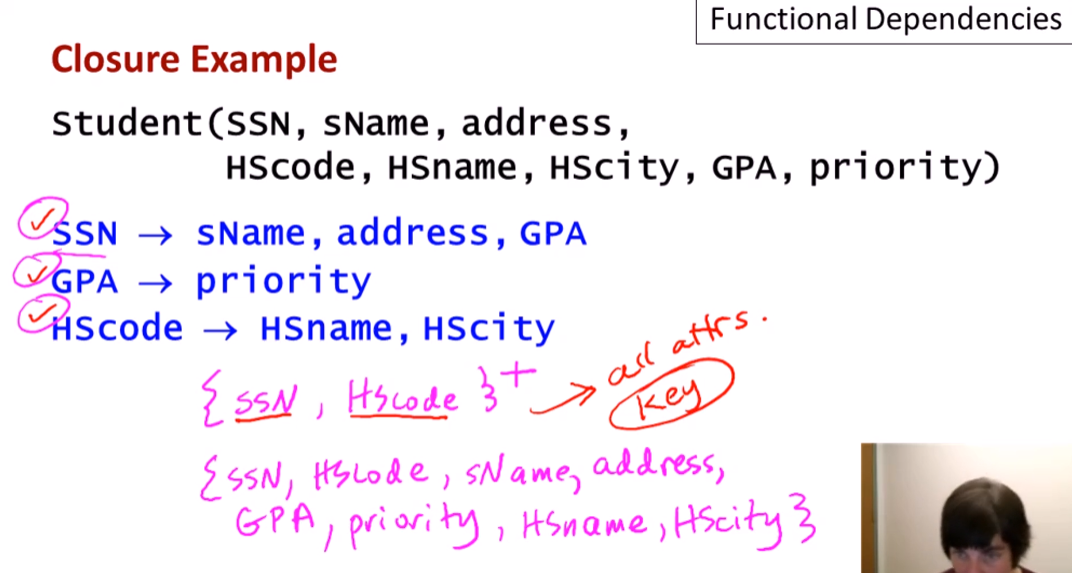


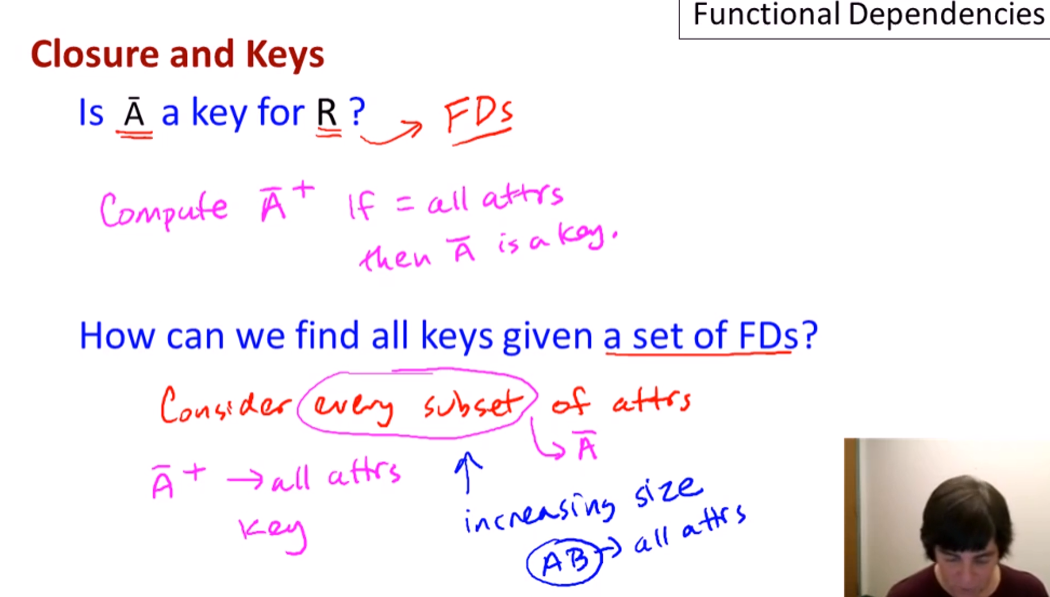




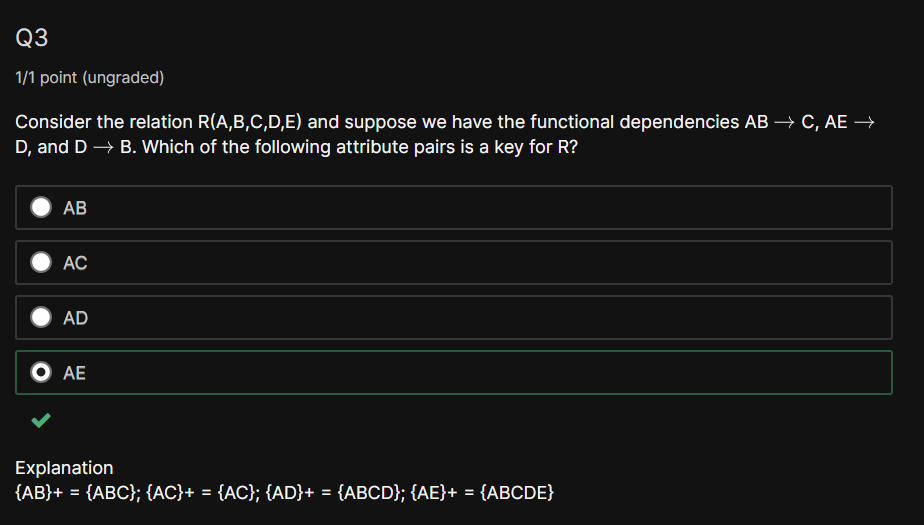




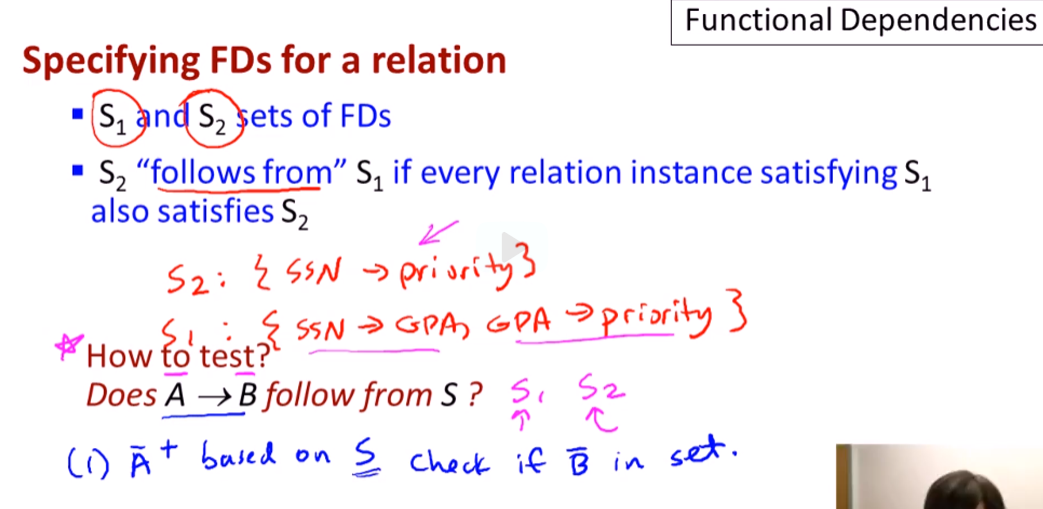


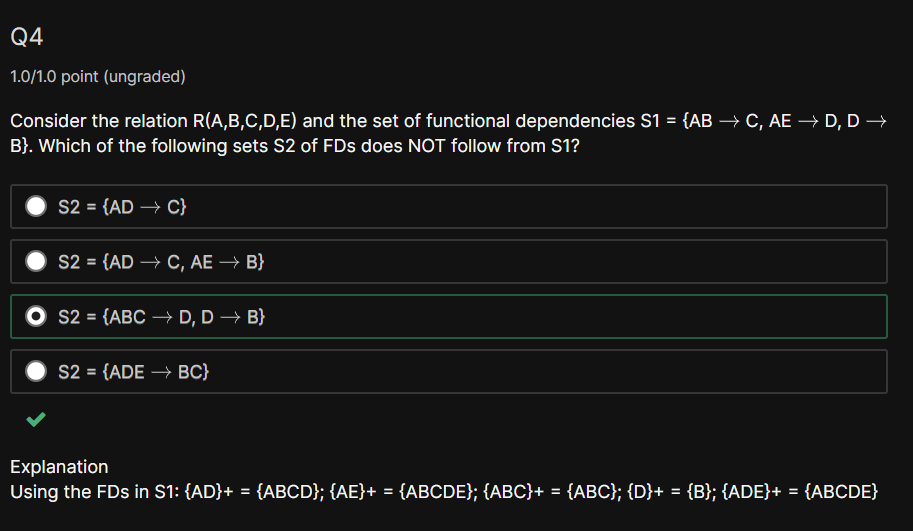


* AB is a key as well as every SUPERSET of AB is also key

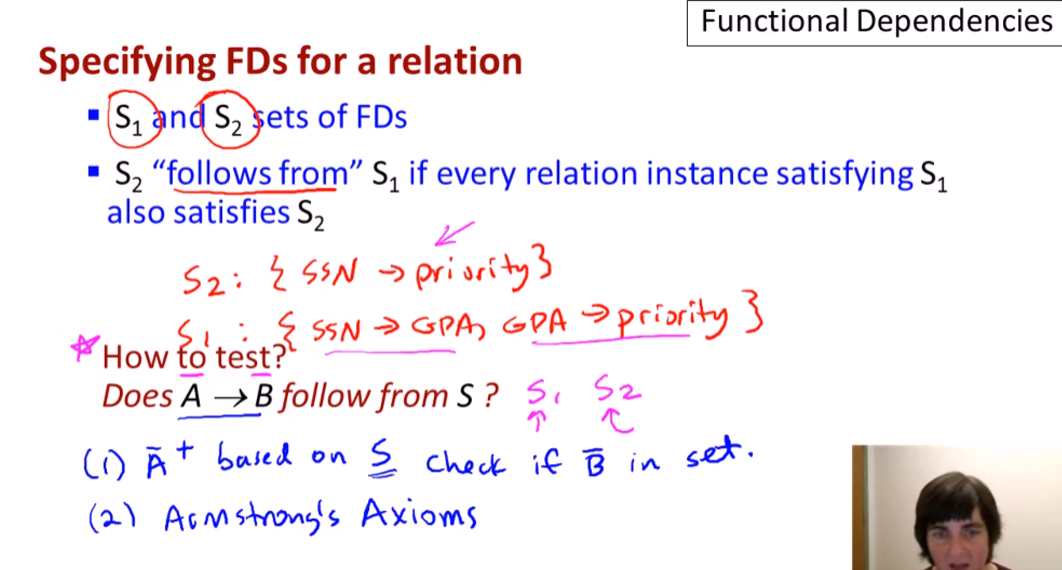


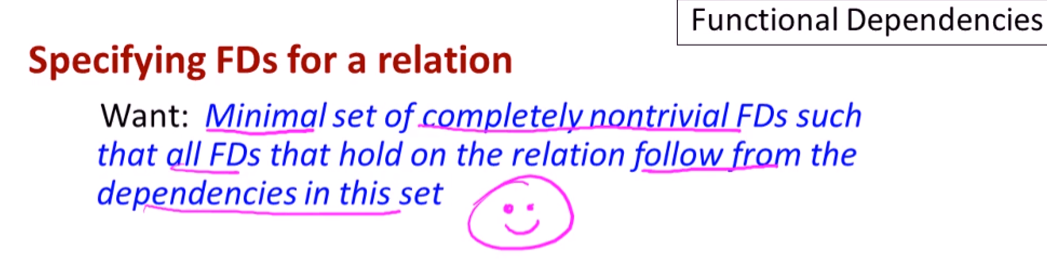
**VIDEO PART 4**

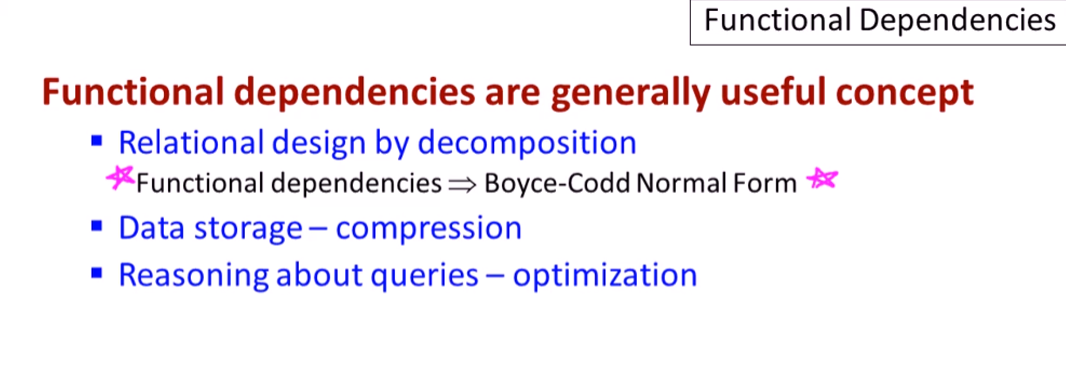




**VIDEO PART 5**

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