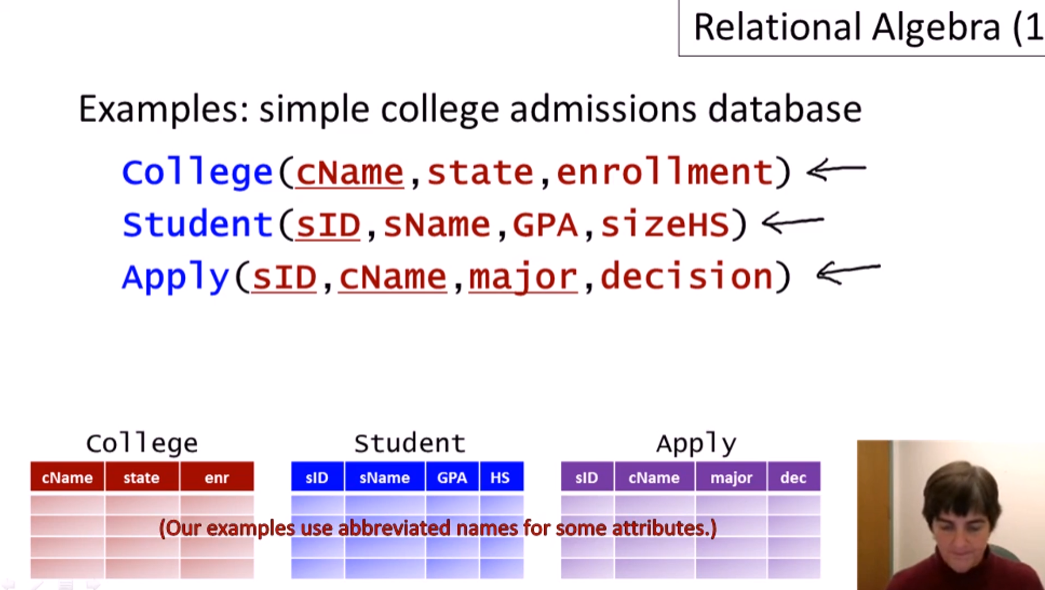
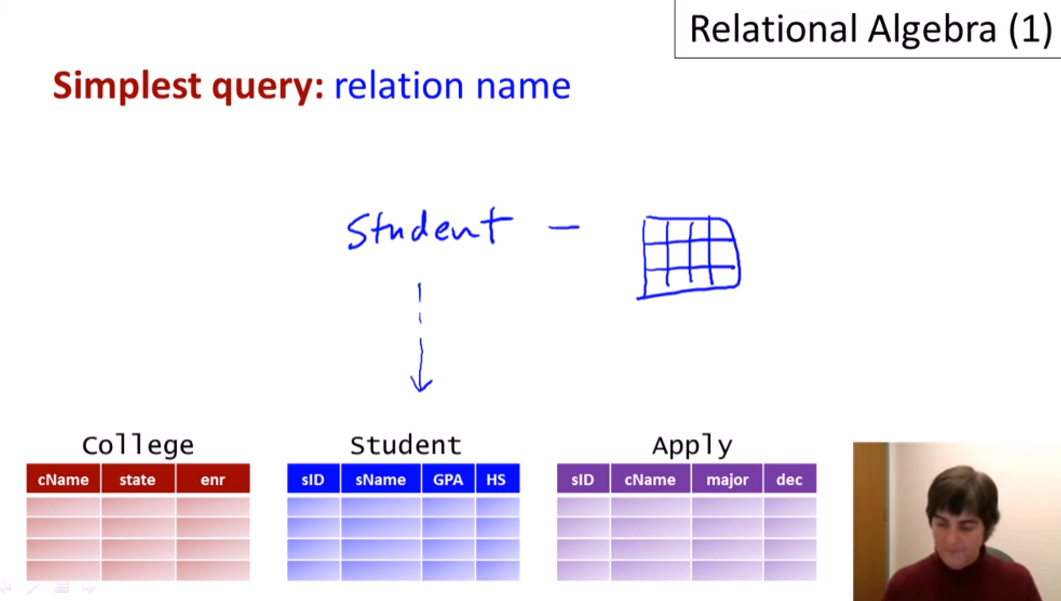
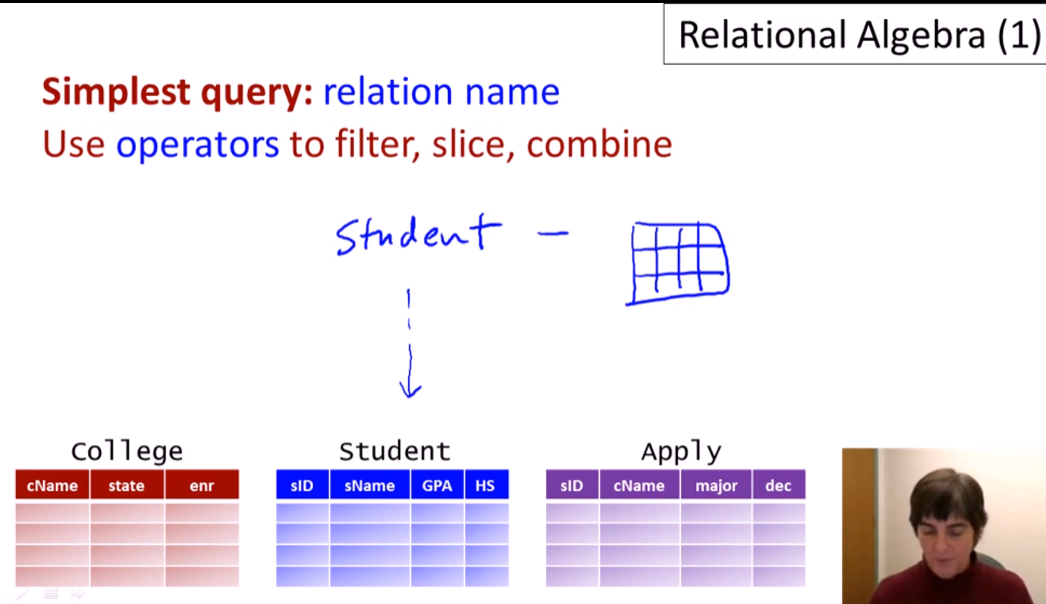


* Keys are underlined

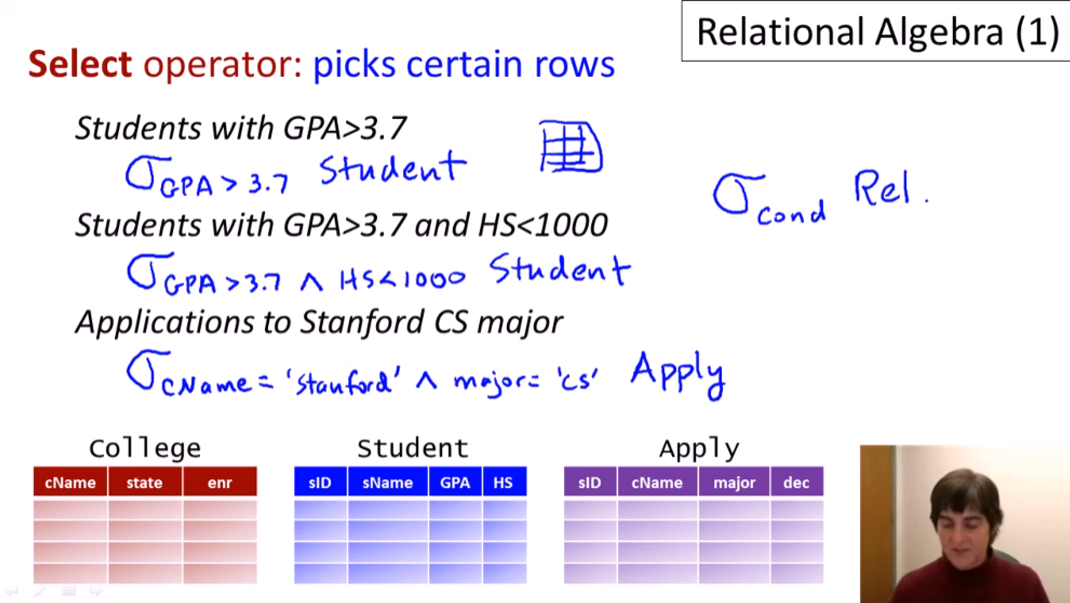




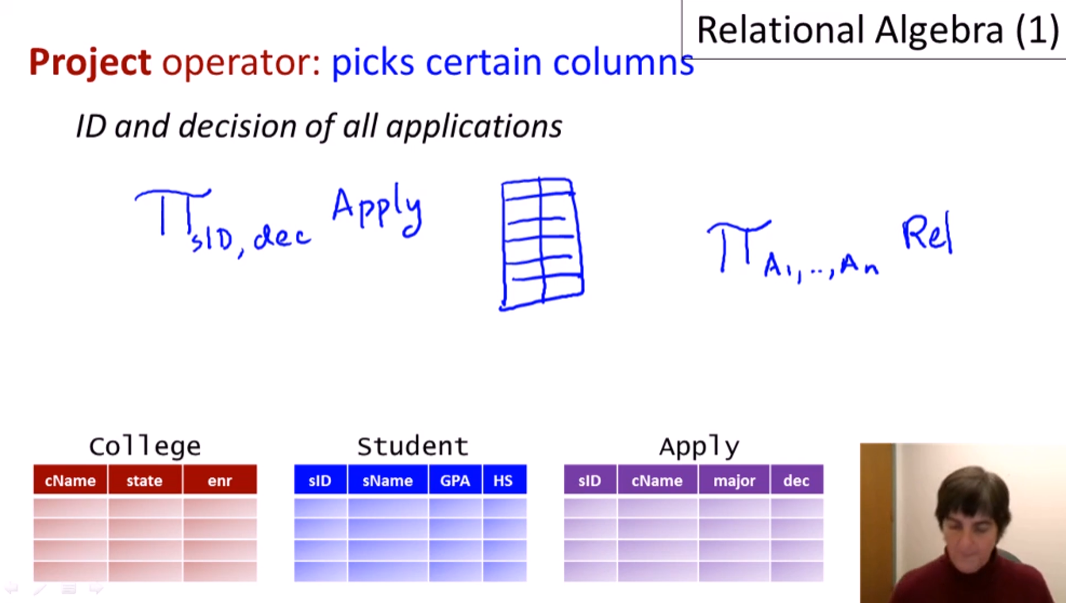


Operators

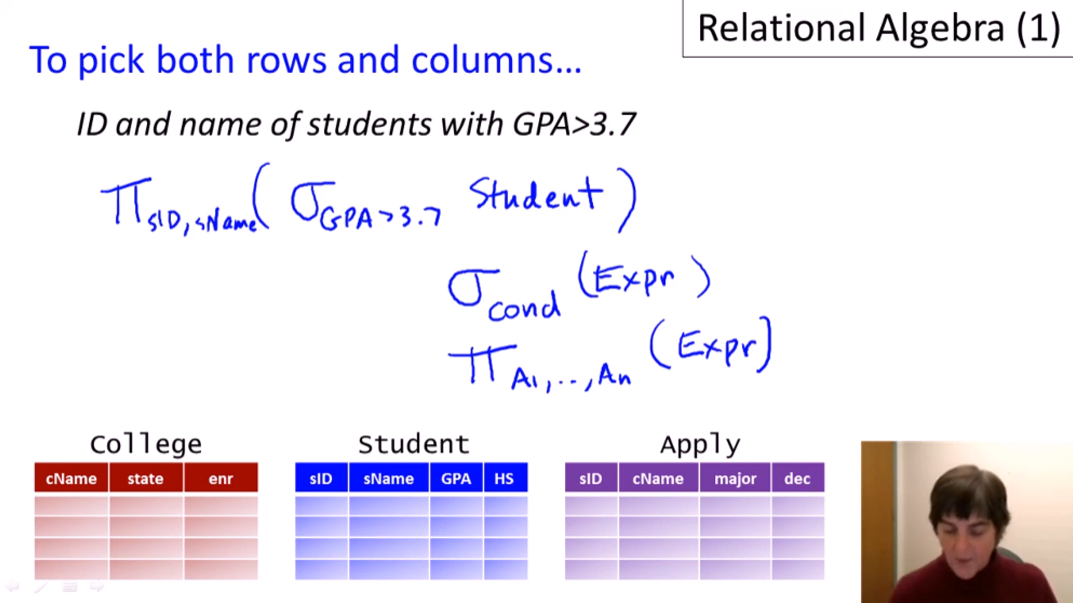
Select Operator = σ (sigma)

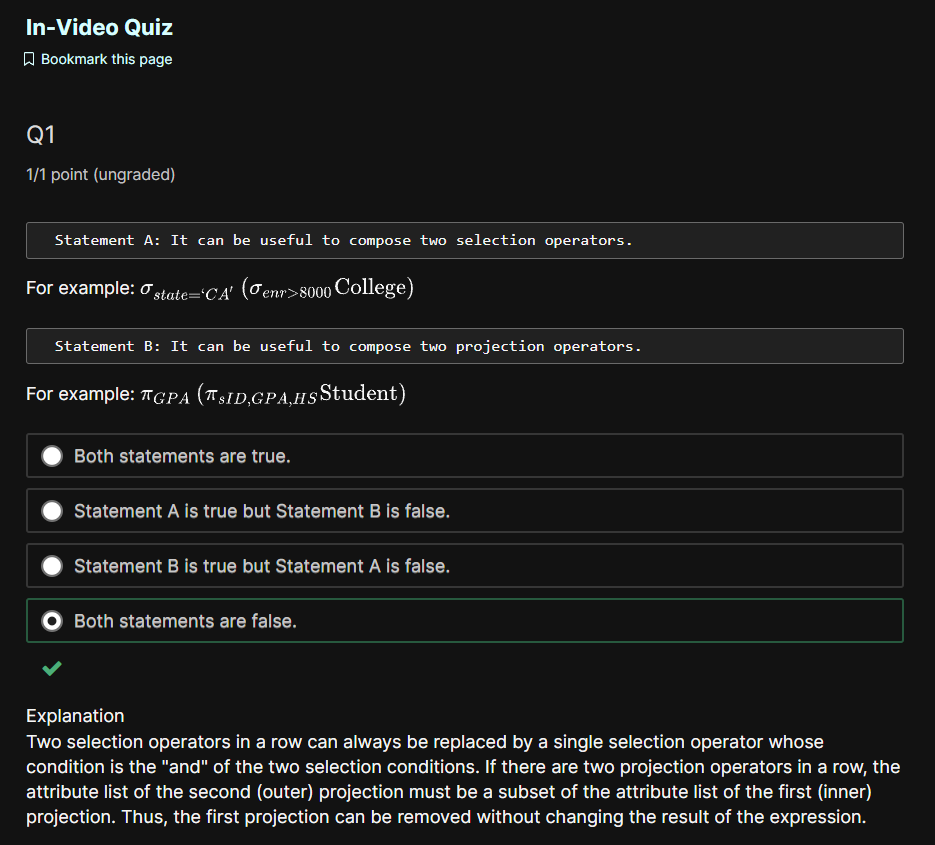
Logical Operator “And” = ^

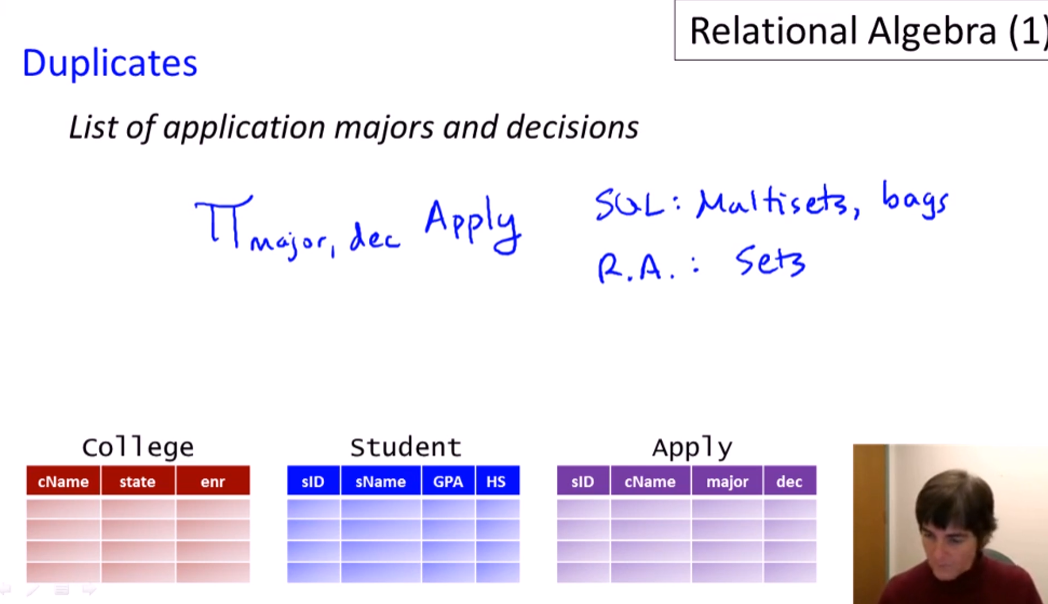
Project Operator = π (pi)



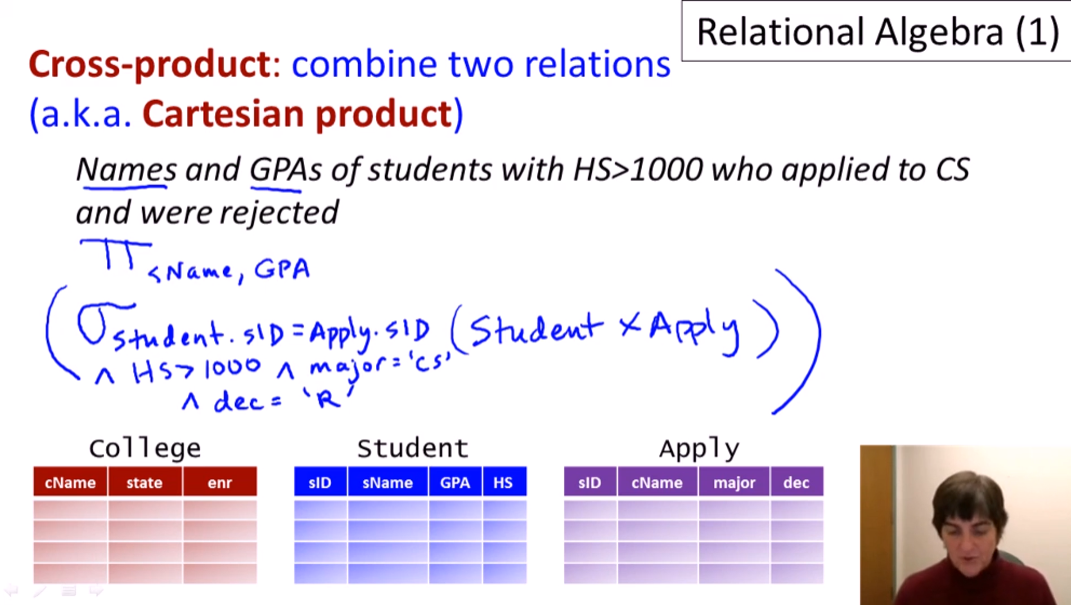
Composing both Select and Project

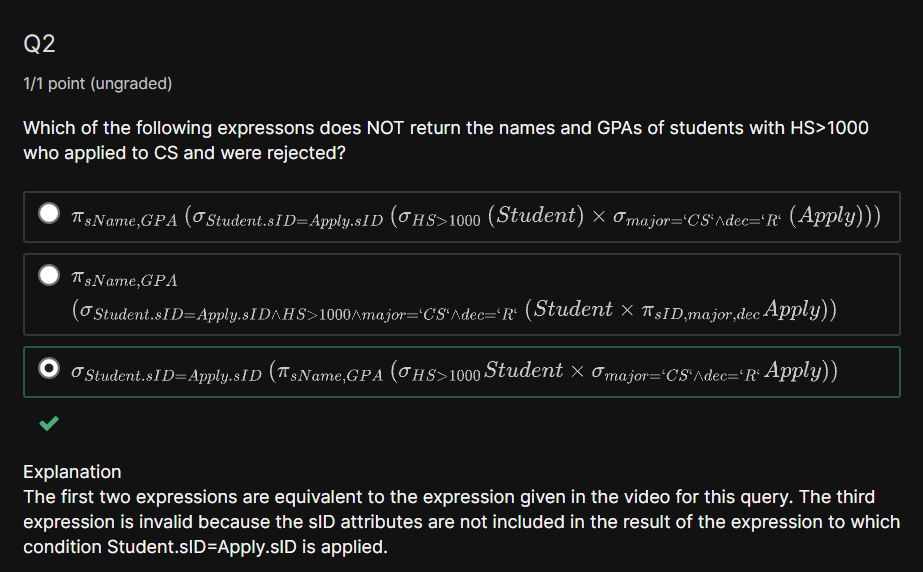




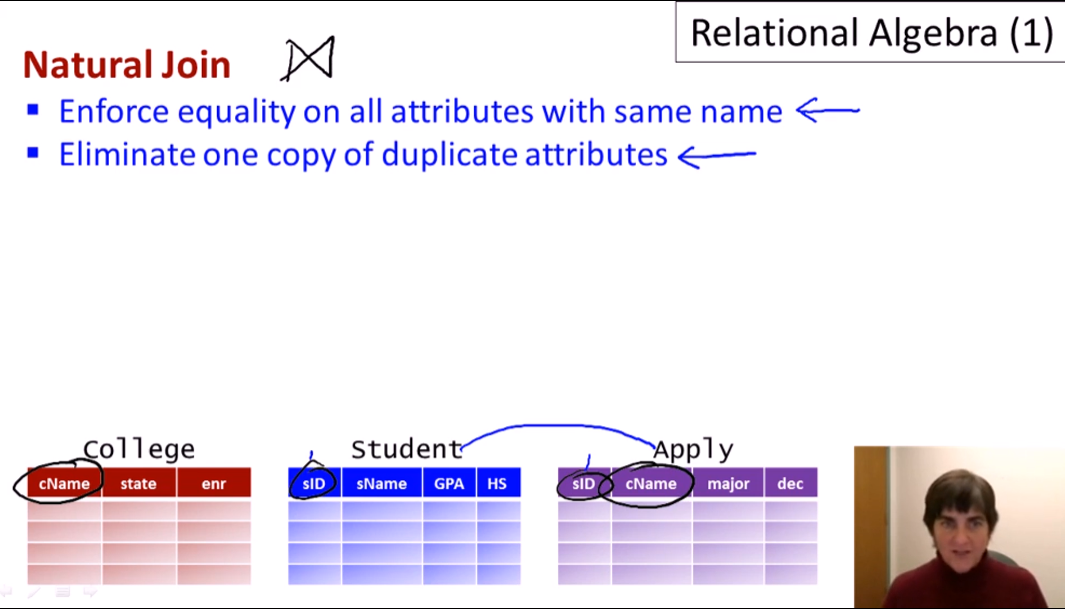


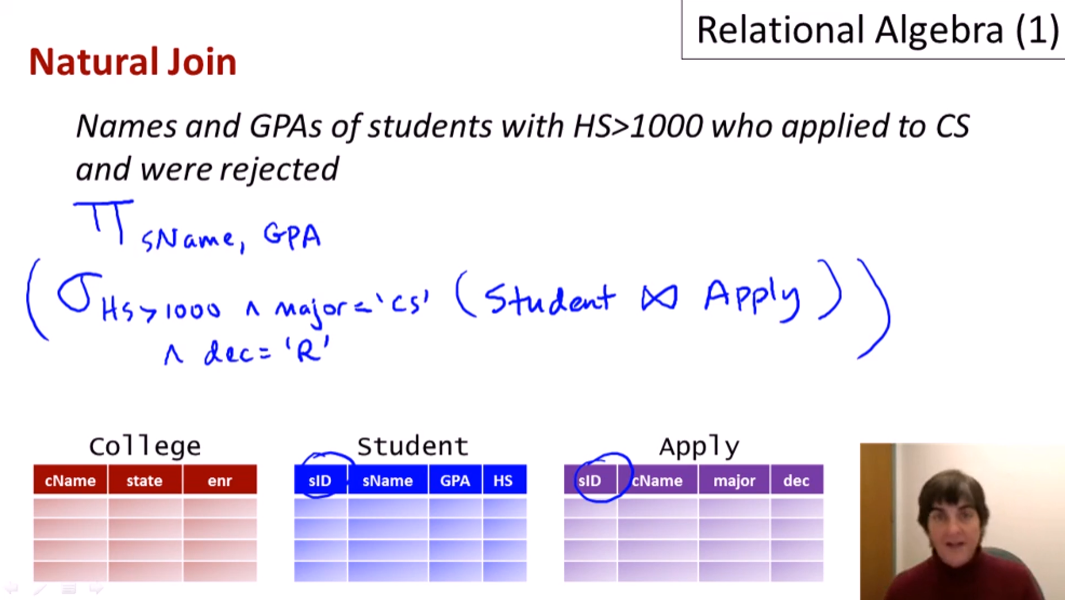
* Only sets, no duplicates in RA!

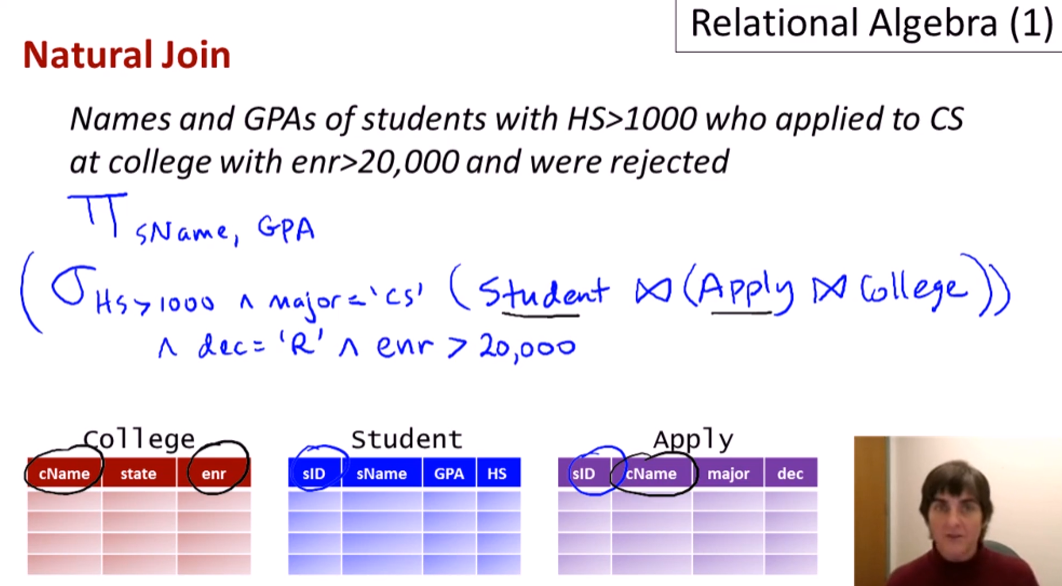




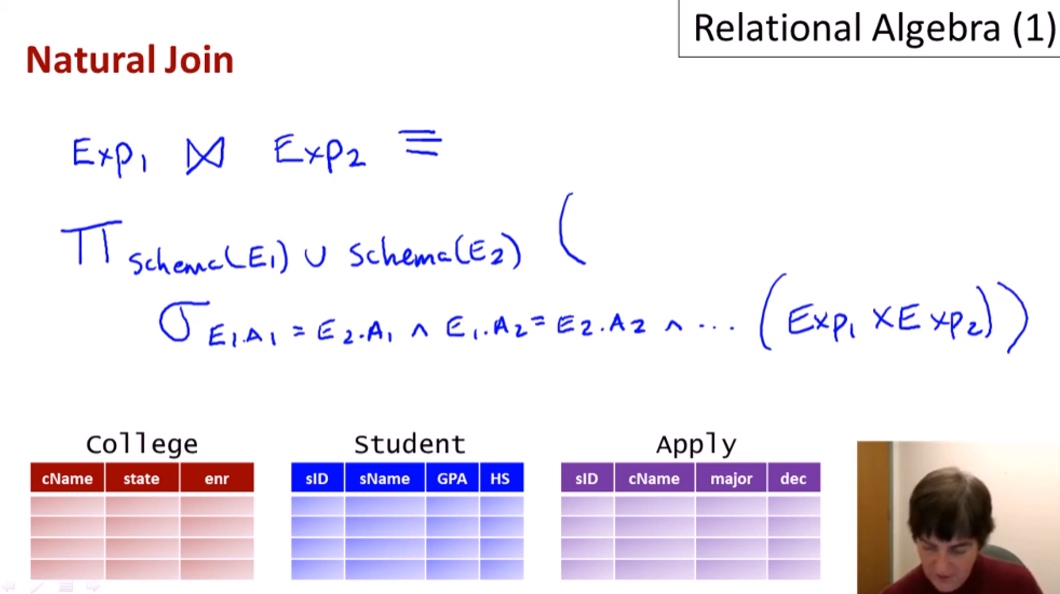
Natural Join Operator = bowtie (see screenshot)



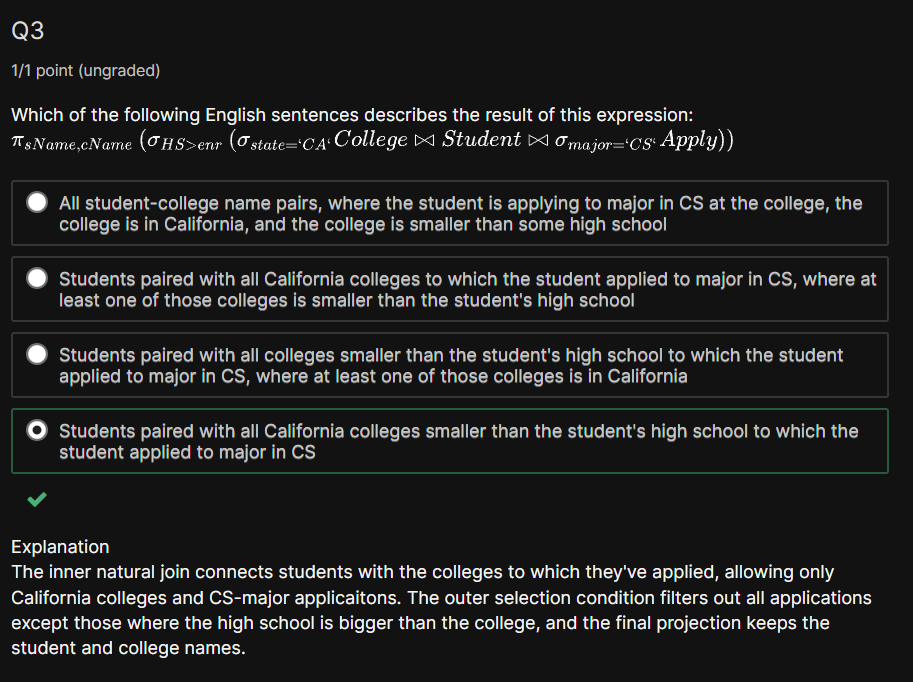
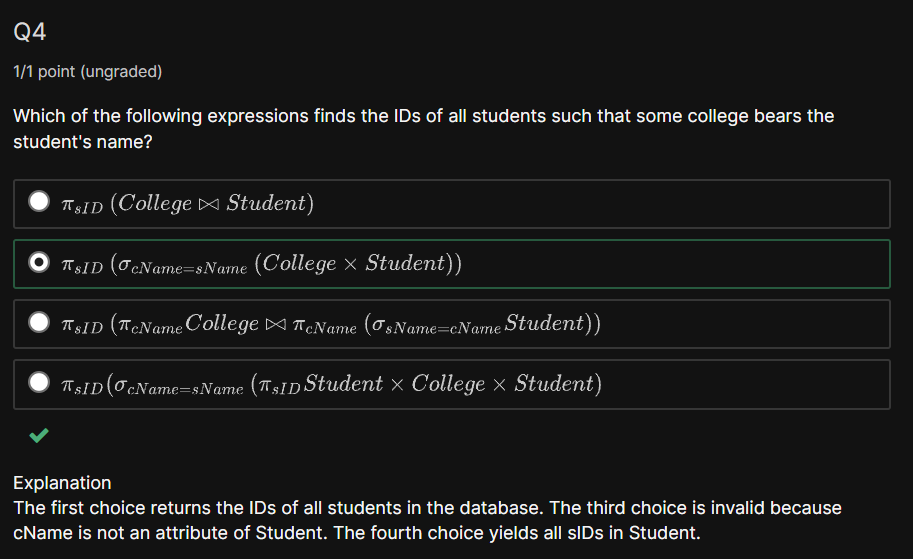




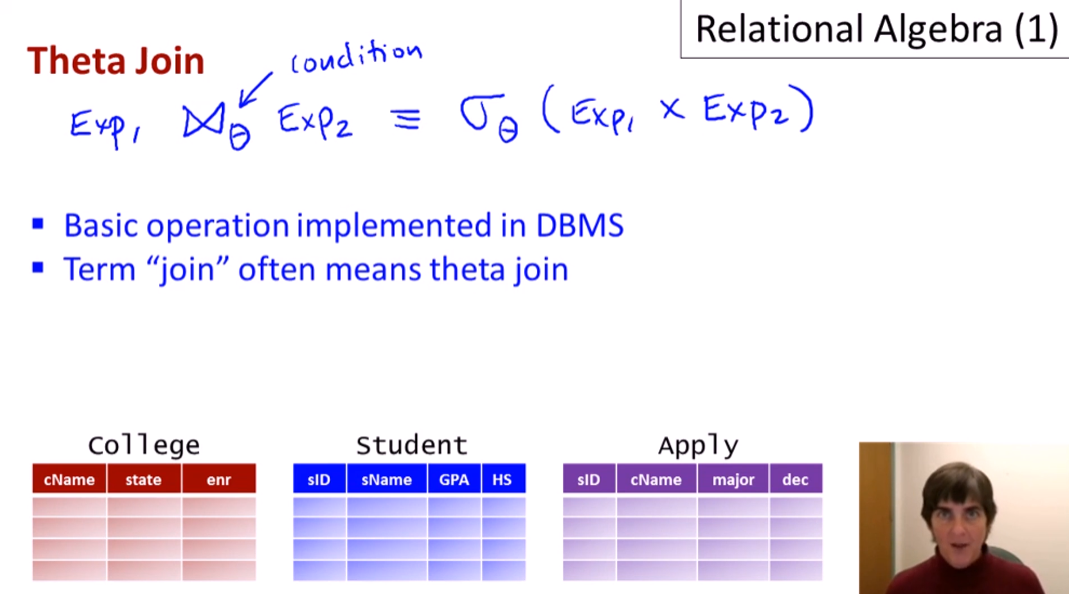
Natural Join using Cross Product, Project, and Select



Natural Join is a syntactic sugar for the equivalent Cross Product, Project, and Select implementation

Theta Operator = Bowtie with subscript Ɵ



* Theta is the condition

