CS316 HW1 Extra Credit

I’m unsure how to show that the projection and selection operators are necessary, but I can explain.

1. Projection functions as a way to display only certain columns of a table. No other query can be used to simply cut out certain attributes to create a new table.
2. Selection functions as a way to view only certain rows based on a condition for its values. The only other way to do this would be to intersect one graph with another that has every possible valid value as stated by the condition, which would be either very large or impossible

Projection and Selection are used to cut down a table in itself, and not in relation to any other table.