Relational Algebra.

Sigma GPA > 3.5 (students)

Returns the student instance containing only rows that have higher than a certain GPA.

Selection from the students where GPA is higher than 3.

Projection lets us filter out columns.

Returns just the SID, Sname, GPA, columns from students, and select a similar thing.

Projection can filter out columns, selection and filter out rows.

Union of two set of relation instances, sticks the rows together, R U S.

It will take them and combine them and make the rows.

Parents vs. kids – In the events of duplicates, and those rows will be combined.

That’s part of what a union does. And this works fine, if they have a same domain. If they are two instances of domains that are different. NOPE.

Intersections simply return the two rows between the two relations.

Difference will be shared, subtracts the row in common. Cross product, all combination of tuples.

R X S – selecting from, the comma, comma, and we use a cross product like joins.

Joins are better however, and they are most useful and they also won’t blow our stack. This is in relational algebra and it is better to use the built in.

Conditional Join – r > < cS = sigma c ( R x S)