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CS 457

Project 2

Design for PA3

How to Compile:

- 1) Make
- 2) `./database < PA3_test.sql`

Implementation of the different joins

Left Outer Join

Left outer join first works by first obtaining the input query to get the table names and the requested attributes. Then it will go through each row of each table until a match is found between the attributes and then print them. Afterwards it will print out the remaining elements from the first table.

Normal Join

Normal join works by first obtaining the input query to get the table names and the requested attributes. Then it will go through each row and each column of both tables to find if the values of the requested attributes of columns match, if they do match then it will print them out. Although the column names for joining can be clarified, they are not required.

Inner Join

Inner join works by first obtaining the input query to get the table names and the requested attributes. Then it will go through each row and column of both tables to find if the values of the requested attributes of columns match, if they do match then it will print them out. In order for the operation to work, the column names for joining must be clarified.