ARMAN MALIK
CS-657

Table Joins

OVERVIEW-

Projects implements and allows a database user to insert, delete, modify and query their data on basic tables. Where we assume that the database and table structure are available.

At a very high level, how you implement different joins

The join operation in the provided code compares values in the join columns of two tables and combines rows that have matching values by using nested loops. The input consists of the names of the two tables that will be connected, the name of the joining column, and a check to see if the joining column is present in both tables. When a match is found, the rows from both tables are combined and added to the result. It also loops through each row in the first table and each row in the second table, comparing the values in each row's join column. In its entirety, it implements an inner join, combining only values that match the join column. It also performs a cartesian product of rows. The basic step to implement was by keeping these points in mind:-

- Identifying the tables to be joined
- Implementing the inner join
- Specifying the join condition
- Performing the join
- Retrieving the result

Be very specific on how to compile and execute your code?

Open the command prompt and run my python filename ‘ armanm_pa3.py’ < ‘PA3_test.sql’ which is the scripting file and need to navigate to the directory where the file is saved. It's the specific one like how to run my file in the command prompt.