JOINS

Combining tables in a vertical manner was done with set operations (combining records from two tables)

Now we will see how to combine in a horizontal manner, (columns will be joined between two tables and similar rows can be synced)

I am attaching resources below that will contain theory on joins and syntax, used that to attempt queries for your lab 6 assignment. (all links are googlable, you can also refer to any other link as long as it helps you run queries correctly)

https://www.w3schools.com/mysql/mysql_join.asp

https://www.guru99.com/joins.html

https://phoenixnap.com/kb/mysql-join

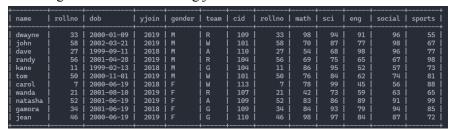
Important key points to read about:

- How is joins done
- Joins with no referenced column
- Joins with referenced column
- Types of joins
- Joins syntax specific to mysql
- How to reference columns from specific table when joining more than one table
- How to give an alias to joining tables
- Relate how the concept of foreign keys is useful to us here
- Self join
- Filling of Empty spaces

Queries

Note - Question 1-3 are not wrong, the type of join required can be determined based on the data or requirements of the question, so see which is the most apt. Verify your answers by manually checking it out.

1. Recreate the original student table using joins



- 2. Show only name and sports score from sem1 of all students
- 3. Show name, math marks, roll no of students who study in a campus offering law.
- 4. Write left join and right join queries on campus and student table. In the output file simply mention the difference in rows you encountered and what did you see in the extra row for certain columns. Try to understand why that happened.

Deadline - 18th Oct 2021 11:59pm