

SQL – Day 2

By Ms. Koshila Kalansooriya
(IT Instructor)

Import Database

Download given database (university.sql) and import it using phpmyadmin.

Relationship and Cardinality

There are 4 tables in the given database. Can you identify the relationships among the tables?

SQL Alias

- SQL alias is used to give a temporary name for a table or a column.
- Alias is often used to make column names more readable.
- An alias only exists for the duration of the query.

```
SELECT  
column_name AS alias_name  
FROM table_name
```

Ex:
SELECT first_name AS Fname , dob AS
birthday
FROM Student;

Select/view Records

1. How to display the student name in one column. (use **CONCAT**)
2. Display the Student ID and birth year of each student.
3. Find the length of each student's first name.

ORDER BY

1. Display id, name and birthdate of students in descending order of birthdate and ascending order of surname.
2. Display all details of students in descending order of surname and descending order of student ID.
3. Display all details of male students in ascending order of first name.

GROUP BY

This clause is used to group the result set by one or more columns.

1. Display the total marks of each student.
2. Count the number of records for each student and display in descending order of StudentID.

SQL Join

1. Display the details of modules with the details of the lecturer who conduct each module.
2. Display the details of students who gained marks.



Thank You

Any Questions?