

# 30 Lecture - CS403

## Important Subjective

1. **What is the purpose of the ORDER BY clause in SQL?**

Answer: The ORDER BY clause is used to sort data in ascending or descending order based on specific columns in the result set.

**Can the ORDER BY clause be used with the SELECT statement?**

Answer: Yes, the ORDER BY clause can be used with the SELECT statement.

**How can you sort data in descending order using the ORDER BY clause?**

Answer: You can use the DESC keyword with the ORDER BY clause to sort data in descending order.

**Can you use multiple columns in the ORDER BY clause?**

Answer: Yes, you can use multiple columns in the ORDER BY clause to sort data based on multiple columns.

**What is the default sorting order used by the ORDER BY clause in SQL?**

Answer: The default sorting order used by the ORDER BY clause in SQL is ascending order.

**What is the purpose of the NULLS FIRST keyword in the ORDER BY clause?**

Answer: The NULLS FIRST keyword is used in the ORDER BY clause to sort NULL values first in the result set.

**Can you use an alias name in the ORDER BY clause?**

Answer: Yes, you can use an alias name in the ORDER BY clause to sort data based on the alias name.

**What is the difference between the ORDER BY clause and the GROUP BY clause?**

Answer: The ORDER BY clause is used to sort data in ascending or descending order, while the GROUP BY clause is used to group data based on specific columns.

**How can you sort data based on a column number instead of the column name in the ORDER BY clause?**

Answer: You can use the column number instead of the column name in the ORDER BY clause by specifying the column number after the SELECT keyword.

**Can you use a subquery in the ORDER BY clause?**

Answer: No, you cannot use a subquery in the ORDER BY clause.