

18 Lecture - CS403

Important Subjective

1. **What is a join operation in a database management system?**

Answer: A join operation combines rows from two or more tables based on a related column between them.

What is an inner join, and what does it return?

Answer: An inner join returns only the matched rows from the joined tables.

What is a left join, and what does it return?

Answer: A left join returns all the rows from the left table and matched rows from the right table.

What is a right join, and what does it return?

Answer: A right join returns all the rows from the right table and matched rows from the left table.

What is a full outer join, and what does it return?

Answer: A full outer join returns all the rows from both tables, matching where possible and returning null values where there are no matches.

What is a composite join?

Answer: A composite join is a join that combines tables based on multiple columns.

What is the purpose of an inner join?

Answer: The purpose of an inner join is to retrieve only the matched rows from the joined tables.

What is the purpose of a left join?

Answer: The purpose of a left join is to retrieve all the rows from the left table and matched rows from the right table.

What is the purpose of a right join?

Answer: The purpose of a right join is to retrieve all the rows from the right table and matched rows from the left table.

What is the difference between a left join and a right join?

Answer: A left join returns all the rows from the left table and matched rows from the right table, while a right join returns all the rows from the right table and matched rows from the left table.