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Database Assignment

Comparison operators

Checks if the values of two operands are equal or not. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE age = 25;
```

Checks if the values of two operands are equal or not. If values are not equal, then condition becomes true.

```
SELECT * FROM Employees WHERE age != 30;
```

or

```
SELECT * FROM Employees WHERE age <> 30;
```

Checks if the value of the left operand is greater than the value of the right operand. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE salary > 50000;
```

Checks if the value of left operand is less than the value of right operand. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE salary < 50000;
```

Checks if the value of the left operand is greater than or equal to the value of right operand. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE experience >= 5;
```

Check if the value of the left operand is less than or equal to the value of the right operand. If yes then condition becomes true.

```
SELECT * FROM Employees WHERE experience <= 3;
```

Checks if the value of the left operand is not less than the value of the right operand. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE salary !< 40000;
```

Checks if the value of the left operand is not greater than the value of the right operand. If yes, then condition becomes true.

```
SELECT * FROM Employees WHERE salary !> 40000;
```

Logical operators

ALL

SELECT * FROM Employees WHERE salary > ALL (SELECT salary FROM Employees WHERE department = 'Sales');

AND

SELECT * FROM Employees WHERE age > 30 AND experience > 5;

ANY

SELECT * FROM Employees WHERE salary > ANY (SELECT salary FROM Employees WHERE department = 'HR');

BETWEEN

SELECT * FROM Employees WHERE age BETWEEN 25 AND 40;

EXISTS

SELECT * FROM Employees WHERE EXISTS (SELECT * FROM Departments WHERE department_name = 'Sales');

IN

SELECT * FROM Employees WHERE city IN ('New York', 'Los Angeles', 'Chicago');

LIKE

SELECT * FROM Employees WHERE name LIKE 'J%';

NOT

SELECT * FROM Employees WHERE age NOT BETWEEN 25 AND 35;

OR

SELECT * FROM Employees WHERE age < 30 OR experience > 10;

IS NULL

SELECT * FROM Employees WHERE address IS NULL;

UNIQUE

SELECT DISTINCT email FROM Employees;