MYSQL QUERIES ON NORMALIZATION PROJECT

Nimra Ashraf & Noor Fatima 110829 & 110830 MORNING

Submitted to:

Mam Gehrish Khan

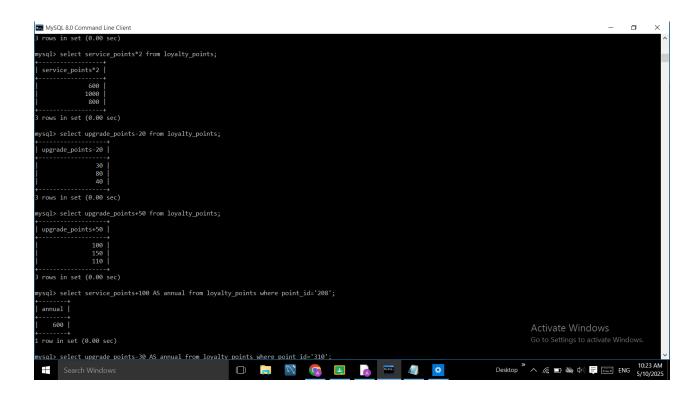
ARITHMETIC & LOGICAL OPERATIONS ON LOYALTY_POINTS TABLE

Arithmetic operations include +,-,*, /.

Syntax

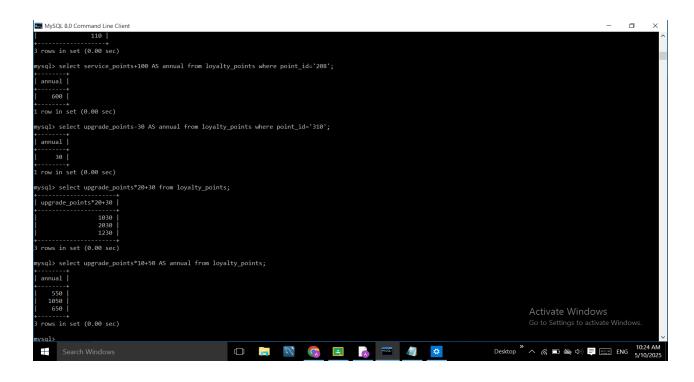
select attribute+value from table;

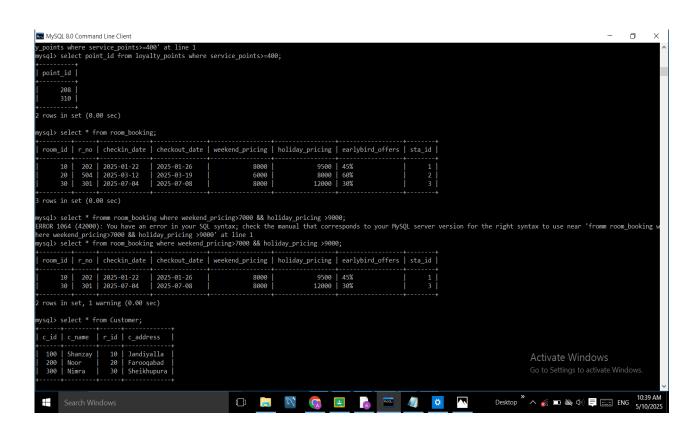
Other operations are also performed according to the above syntax.



LOGICAL OPERATIONS

Logical operations contains >, <, <=, >=, !=, = etc.





ADDING ph_no COLUMN IN CUSTOMER

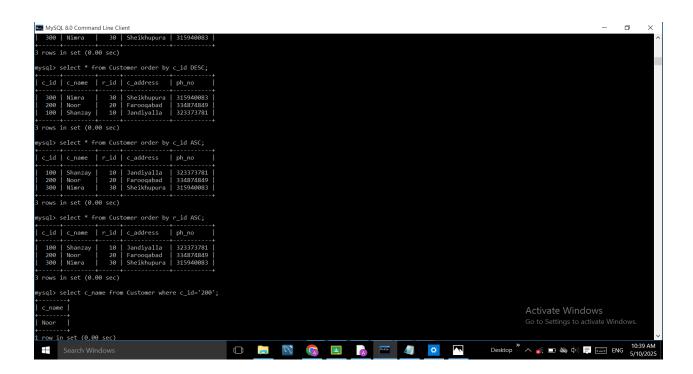
ORDER BY CLAUSE ON CUSTOMER

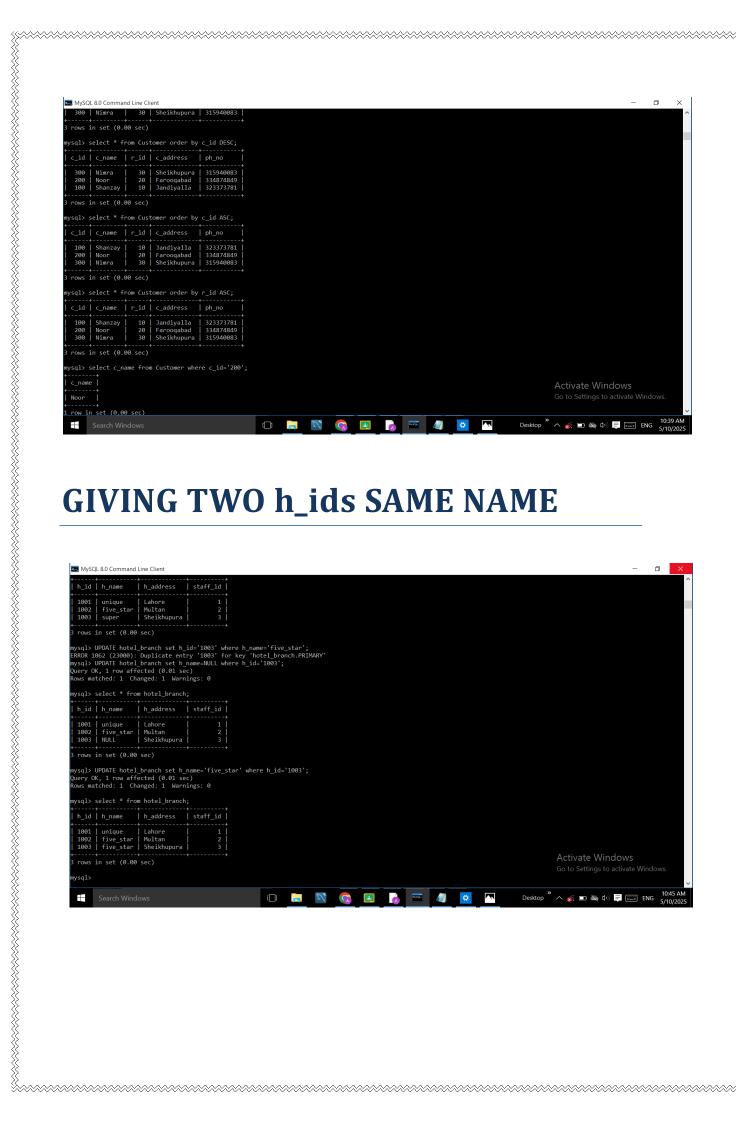
The ORDER BY keyword is used to sort the resultset in ascending or descending order.

The ORDER BY keyword sorts the records in ascending order by default. To sort the records in descending order, use the DESC keyword.

Syntax

SELECT * FROM attribute_name ORDER BY table;





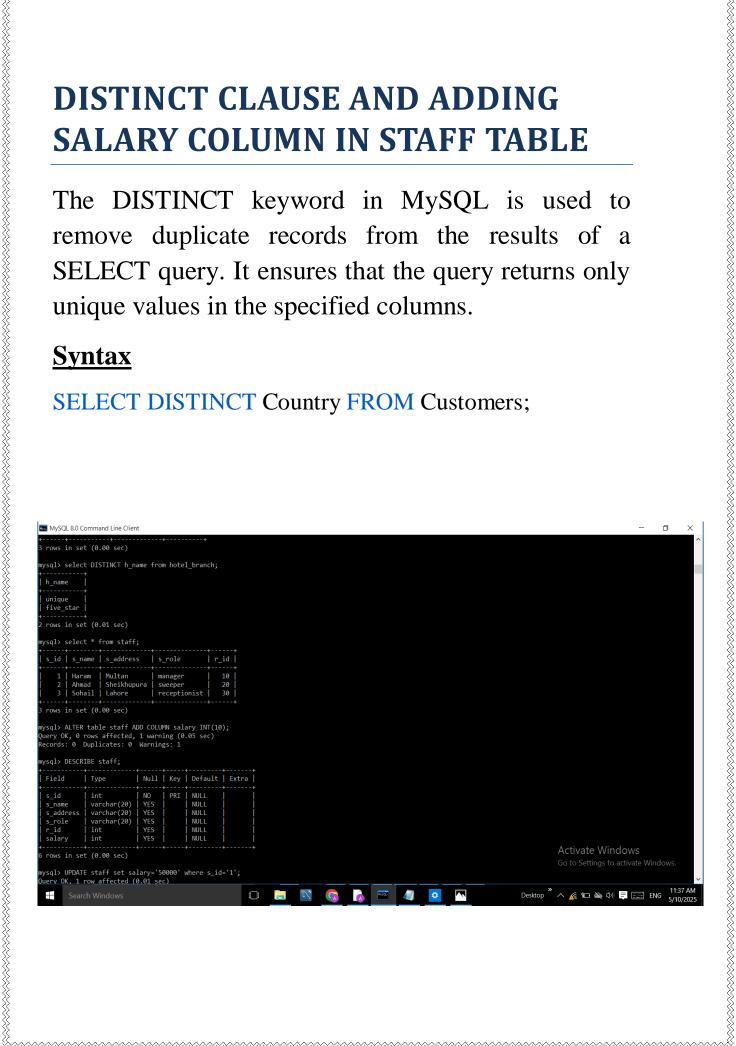
}

DISTINCT CLAUSE AND ADDING **SALARY COLUMN IN STAFF TABLE**

The DISTINCT keyword in MySQL is used to remove duplicate records from the results of SELECT query. It ensures that the query returns only unique values in the specified columns.

Syntax

SELECT DISTINCT Country FROM Customers;



BETWEEN, HAVING AND IN CLAUSES

The **BETWEEN** clause is used to show the values/contents of the table between a given limit.

Syntax:

select attribute_name from table_name where attribute='value' OR attribute_value BETWEEN ... AND ...;

The **HAVING** clause is similar to the WHERE clause but is specifically applied after grouping and aggregation, allowing you to filter on the results of aggregate functions like COUNT, SUM, AVG, and others.

Syntax

select aggreagate_function (attribute) from table GROUP BY attributes HAVING count (attribute) >1;

IN keyword is used to show the contents that contain given values.

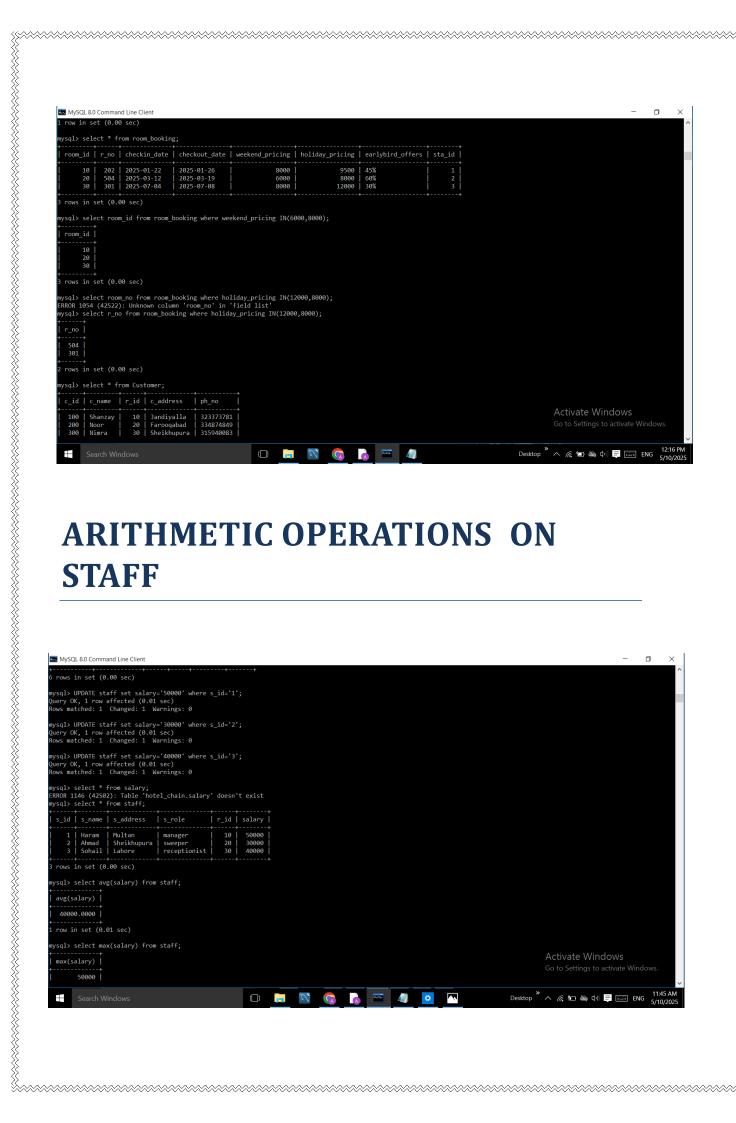
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SELECT column_name(s) FROM table_name
WHERE column_name IN (value1, value2, ...);
```

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LIKE CLAUSE ON CUSTOMER

The LIKE operator is used in a WHERE clause to search for a specified pattern in a column.

Syntax

SELECT column1...FROM table name WHERE columnN LIKE pattern;

- The percent sign (%) represents zero, one, or multiple characters
- The underscore sign (_) represents one, single character

