Wildcards are a great benefit in MySQL in ways such as matching data, simplifying the search criteria, or used to compare data. Two types of wildcards are % and \_. The % can match 0 or more characters, where as the \_ can only match one. An example of a benefit to using the % would be if you are searching for a list of something, you would input the first couple or few letters of what you would like to search for followed by the % sign and the search would then filter through words that would follow through that began with the letters you input. An example of using the \_ would be if you’re searching through a set of numbers or names and you lack one digit or number and you would input the \_ in the appropriate spot and click your search and then it would filter through all the names and numbers but lacking the missed digit or letter.

There are three operators in the SQL WHERE clause: And, Or, and Not. The And operator is used to test two or more conditions in a select, insert, update, or delete. It is a condition where the first and second condition are true. The Or operator also is used to test two or more conditions in a select, insert, update, or delete. It is a condition in which only the first condition is true or just the second condition is true. The Not operator, a condition will return the results otherwise. It will display a record if the condition is not true. It determines if an expression is not in a list. Examples provided from <https://www.w3schools.com/sql/sql_and_or.asp>

**AND Syntax:**

SELECT column1, column2, ...  
FROM table\_name  
WHERE condition1 AND condition2 AND condition3 ...;

**OR Syntax:**

SELECT column1, column2, ...  
FROM table\_name  
WHERE condition1 OR condition2 OR condition3 ...;

**NOT Syntax:**

SELECT column1, column2, ...  
FROM table\_name  
WHERE NOT condition;

<https://www.guru99.com/wildcards.html>

<https://www.techonthenet.com/mysql/like.php>

<https://www.w3schools.com/sql/sql_orderby.asp>

<https://www.tutorialspoint.com/sql/sql-update-query.htm>