Week1: relational Databases

What are wildcards in MySQL? How are they useful?

Wild cards in mySQL allow us to query data based on a set parameters specified by the wildcards function. Wildcards should be used with the WHERE clause in mySQL. The two wild cards are the % symbol and the \_ underscore symbol. The % symbol represents 0 or more random characters; it doesn’t matter what it is % represents it and everything after it. The underscore symbol is used to represent a single character skip.

Example % - > WHERE column = “ %O” this will return anything within the specified column as long as O is the last character.

Example “ \_ “ : - > C\_T this will return any string that has a C at the beginning and T at the end. The middle character can be anything.

There are more wildcard symbols than the two listed.

Research all the operators that can be used in a SQL WHERE clause. What do they each do?

According to educba mySQL contains many operators. The first set of operators that can be used with the WHERE clause are comparison operators. This set includes your: = , <, >, >=, <= and !(not symbol). The next set of operators are what we refer to ass Logical Operators. The LIKE operator can be used with the WHERE clause. This operator is self-explanatory. It’s used right before a wildcard symbol to say LIKE or NOT LIKE what said symbol is describing. NOT is also an operator that can be used in conjunction with other operators to indicate the opposite of that operator being true. The AND operator allows us to add another condition onto the WHERE query, both conditions must be true for any conditional statement using AND. The OR operator functions the same as an or statement in Java. One of the conditions must evaluate as true for the query to return results. The EXISTS operators checks for the presence of a row in a table which adheres to query conditions. The IN operator is used to compare values against a list of literals, The ALL operator is used to compare a value to ALL those of another set. IS NULL compares a value with null values.