**Lesson 4**

**Term Search**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the purpose of the “BETWEEN” keyword?**

**The “BETWEEN” keyword in SQL is used to filter the data to include only those records where a value (like a date, number, or text) is within a specified range. For example, to find all movies released between 1990 and 2000.**

**What keyword is used to create calculated fields or merging data from multiple fields into one field?**

**The keyword used is “AS” when you want to create a calculated field or give a name to a new field created by merging data from multiple fields.**

**What mathematical operators have the highest order of precedence?**

**Multiplication (\*) and division (/) operators have the highest order of precedence in mathematical operations.**

**What is the purpose of the GetDate() function?**

**The GetDate() function is used to get the current date and time according to the system on which the database is running.**

**What is the purpose of the DateDiff() function?**

**The DateDiff() function is used to find the difference between two dates. It can tell you how many days, months, years, etc., are between them.**

**What is the purpose of the AND logical operator within a WHERE clause?**

**The AND logical operator is used to make sure that all the conditions separated by it are true. For example, to find a blue car that is also made by Toyota, both conditions must be met.**

**What is the purpose of the OR logical operator within a WHERE clause?**

**The OR logical operator allows you to find records where at least one of the conditions separated by it is true. For example, to find cars that are either blue or made by Toyota.**

**What is the purpose of the NOT logical operator within a WHERE clause?**

**The NOT logical operator is used to exclude records that match a certain condition. For example, to find all cars that are not blue.**

**What is the purpose of the IN phrase within a WHERE clause?**

**The IN operator is used to check if a value is within a list of specified values. It's like saying "one of these things". For example, to find cars that are made by either Ford, Toyota, or Honda.**

**Can you think of a way that AND/OR could be used as an alternative to BETWEEN? Please share an example:**

**Yes, the AND operator can be used instead of BETWEEN to specify a range. For example, WHERE year >= 1990 AND year <= 2000 is the same as WHERE year BETWEEN 1990 AND 2000.**

**How is the LIKE phrase different from using the equals sign (“=”) ?**

**The LIKE operator is used for pattern matching with wildcards, while the equals sign is used for exact matches. For example, LIKE 'A%' finds any values that start with "A".**

**How do we find the Null values in a field?**

**To find Null values, you use the IS NULL operator. For example, WHERE column\_name IS NULL will find all records where there is no value in the specified column.**