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An expression is a combination of one or more values, operators, and SQL functions that evaluate to a value.

SQL EXPRESSIONs are like formulas and they are written in query language. You can also use them to query the database for specific set of data.

Syntax:

Consider the basic syntax of the SELECT statement as follows:

```
SELECT column1, column2, columnN
FROM table_name
WHERE [CONDITION|EXPRESSION];
```

There are different types of SQL expressions, which are mentioned below:

SQL - Boolean Expressions:

SQL Boolean Expressions fetch the data on the basis of matching single value. Following is the syntax:

```
SELECT column1, column2, columnN
FROM table_name
WHERE SINGLE VALUE MATCHTING EXPRESSION;
```

Consider the CUSTOMERS table having the following records:

Here is simple example showing usage of SQL Boolean Expressions:

```
SQL> SELECT * FROM CUSTOMERS WHERE SALARY = 10000;
+---+---+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+---+----+
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+---+----+
1 row in set (0.00 sec)
```

SQL - Numeric Expression:

This expression is used to perform any mathematical operation in any query. Following is the syntax:

```
SELECT numerical_expression as OPERATION_NAME
[FROM table_name
WHERE CONDITION] ;
```

Here numerical_expression is used for mathematical expression or any formula. Following is a simple examples showing usage of SQL Numeric Expressions:

```
SQL> SELECT (15 + 6) AS ADDITION
+-----+
| ADDITION |
+----+
| 21 |
+----+
1 row in set (0.00 sec)
```

There are several built-in functions like avg, sum, count, etc., to perform what is known as aggregate data calculations against a table or a specific table column.

```
SQL> SELECT COUNT(*) AS "RECORDS" FROM CUSTOMERS;
+-----+
| RECORDS |
+-----+
| 7 |
+-----+
1 row in set (0.00 sec)
```

SQL - Date Expressions:

Date Expressions return current system date and time values:

Another date expression is as follows: