



INTRODUCTION TO SQL

- SQL is case insensitive. But it is a recommended practice to use keywords (like SELECT, UPDATE, CREATE, etc.) in capital letters
- SQL stands for Structured Query Language
- SQL is a standard language for storing, manipulating and retrieving data in databases
- SQL is an ANSI (American National Standards Institute) standard

SQL Data Types

- Each column in a database table is required to have a name and a data type.
- SQL developers have to decide what types of data will be stored inside each and every table column when creating a SQL table.
- The data type is a label and a guideline for SQL to understand what type of data is expected inside of each column, and it also identifies how SQL will interact with the stored data.
- For every database, data types are primarily classified into three categories.
 - 1. Numeric Datatypes
 - 2. Date and Time Database
 - 3. String Database

1. Numeric Data Types

• There are eleven subtypes which are given below in the table. The table contains the range of data in a particular type.

Sr. No.	Data Type	From	То
1	BigInt	-2 ⁶³ (-9,223,372,036,854,775,808)	2 ⁶³ -1 (9,223,372,036,854,775,807)
2	Int	-2 ³¹ (-2,147,483,648)	2 ³¹ -1 (2,147,483,647)
3	smallint	-2 ¹⁵ (-32,768)	215-1 (32,767)
4	tinyint	0	2 ⁸ -1(255)
5	bit	0	1
6	decimal	-10 ³⁸ +1	10 ³⁸ -1
7	numeric	-10 ³⁸ +1	10 ³⁸ -1
8	money	-922,337,203,685,477.5808	922,337,203,685,477.5808
9	smallmoney	-214,748.3647	214,748.3647
10	Float	-1.79E+308	1.79E+308
11	Real	-3.40E+38	3.40E+38

2. String Data Types

• The subtypes are given in below table –

Sr. No.	Data Type	Description
1	char	It is used to specify a fixed length string that can contain numbers, letters, and special characters. Its size can be 0 to 255 characters. Default is 1.
2	varchar	It is used to specify a variable length string that can contain numbers, letters, and special characters. Its size can be from 0 to 65535 characters.
3	Text	It holds a string that can contain a maximum length of 255 characters.

3. Date and Time Data Type

• The details are given in the below table.

Sr. No.	Data Type	Description
1	DATE	It is used to specify date format YYYY-MM-DD. Its supported range is from '1000-01-01' to '9999-12-31'.
2	DATETIME	It is used to specify date and time combination. Its format is YYYY-MM-DD hh:mm:ss. Its supported range is from '1000-01-01 00:00:00' to 9999-12-31 23:59:59'.
3	TIMESTAMP	It is used to specify the timestamp. Its value is stored as the number of seconds since the Unix epoch('1970-01-01 00:00:00' UTC). Its format is YYYY-MM-DD hh:mm:ss. Its supported range is from '1970-01-01 00:00:01' UTC to '2038-01-09 03:14:07' UTC.
4	TIME	It is used to specify the time format. Its format is hh:mm:ss. Its supported range is from '-838:59:59' to '838:59:59'
5	YEAR	It is used to specify a year in four-digit format. Values allowed in four digit format from 1901 to 2155, and 0000.

SQL SELECT Statement

- It is used to access the records from one or more database tables and views.
- It also retrieves the selected data that follow the conditions we want.
- The data returned is stored in a result table, called the result-set.

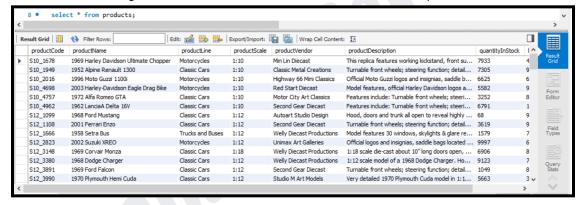
Syntax:

Here, column1, column2, ... are the field names of the table you want to select data from.

```
SELECT column1, column2, ...
FROM table_name;
```

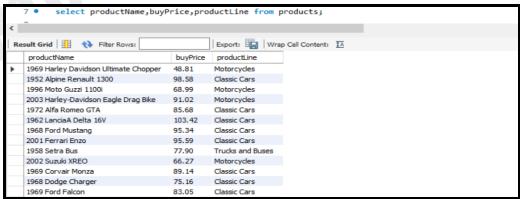
Example:

The following SQL statement selects all the columns from the "products" table:



Columns Example:

The following SQL statement selects the "productName", "buyPrice" and "productLine" columns from the "products" table:



SQL WHERE Clause

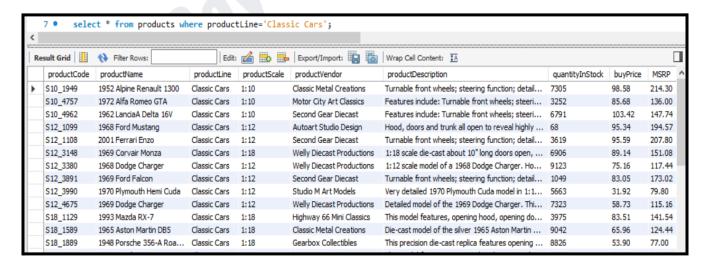
- A WHERE clause in SQL is a data manipulation language statement.
- It is used to fetch data according to particular criteria.
- WHERE clauses are not mandatory clauses of SQL DML statements. But it can be used to limit the number of rows affected by a SQL DML statement or returned by a query.
- WHERE clause is used in SELECT, UPDATE, DELETE statement etc.
- It acts as a gatekeeper, ensuring only rows that meet specific conditions are included in the output.
- It enables you to create targeted gueries that return only the relevant results.

Syntax:

```
SELECT column1, column2, ...
FROM table_name
WHERE condition;
```

Example:

The following SQL statement selects all the products from the productLine "Classic Cars", in the "Products" table:



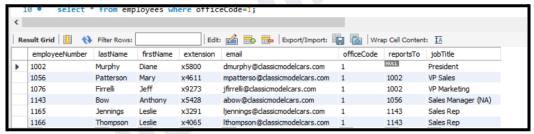
• Operators in The WHERE Clause

You can use other operators than the = operator to filter the search. The following operators can be used in the WHERE clause:

Sr. No.	Operator	Description
1	=	Equal
2	>	Greater than
3	<	Less than
4	>=	Greater than or equal
5	<=	Less than or equal
6	<> !=	Not equal. Note: In some versions of SQL this operator may be written as !=
7	BETWEEN	Between a certain range
8	LIKE	Search for a pattern
9	IN	To specify multiple possible values for a column

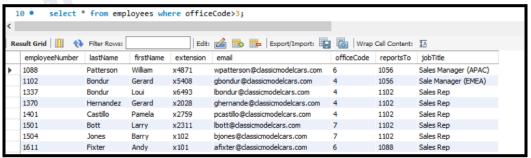
1. Equal:

The following SQL statement selects all the employees from the OfficeCode = "1", in the "Employees" table:



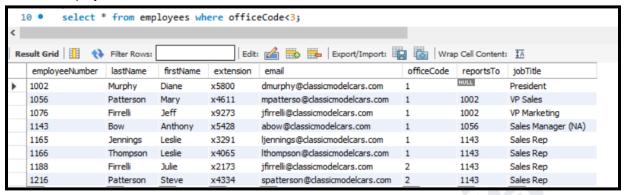
2. Greater than:

The following SQL statement selects all the employees from the OfficeCode > "3", in the "Employees" table:



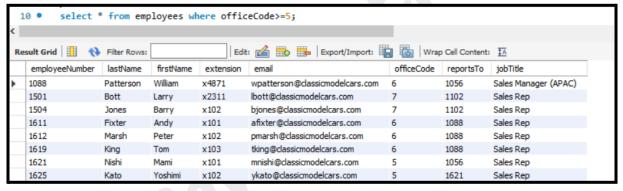
3. Less than:

The following SQL statement selects all the employees from the OfficeCode < "3", in the "Employees" table:



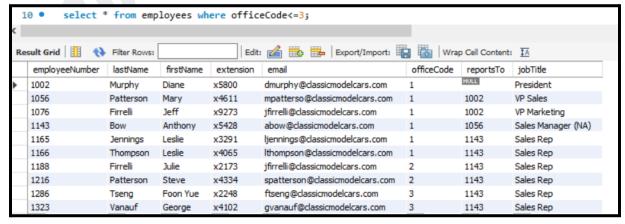
4. Greater than or equal:

The following SQL statement selects all the employees from the OfficeCode >= "5", in the "Employees" table:



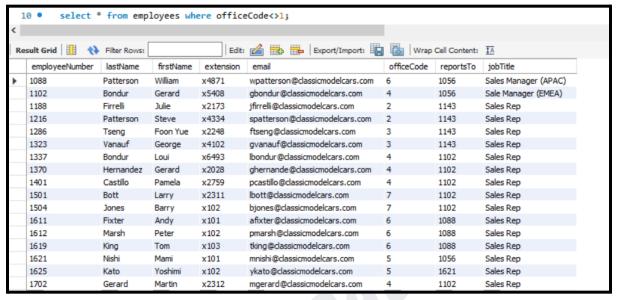
5. Less than or Equal:

The following SQL statement selects all the employees from the OfficeCode <= "3", in the "Employees" table:



6. Not Equal:

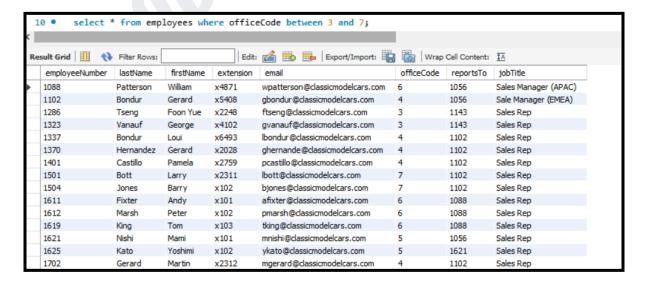
The following SQL statement selects all the employees from the OfficeCode <> "1", in the "Employees" table:



7. BETWEEN:

- The BETWEEN operator selects values within a given range. The values can be numbers, text, or dates
- b. The BETWEEN operator is inclusive: begin and end values are included.
- c. The BETWEEN Condition will return the records where the expression is within the range of value1 and value2.

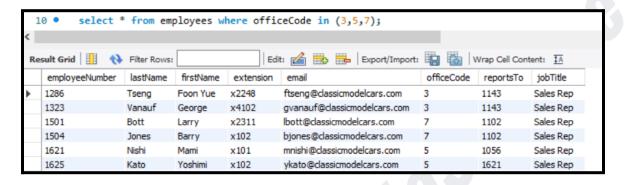
The following SQL statement selects all the employees from the OfficeCode between "3" and "6", in the "Employees" table:



8. IN:

- a. The IN operator allows you to specify multiple values in a WHERE clause.
- b. The IN operator is a shorthand for multiple OR conditions.
- c. A sub-query or list of values must be specified in the parenthesis
- d. We can use the IN operator with the INSERT, SELECT, UPDATE, and DELETE queries in the SQL database.

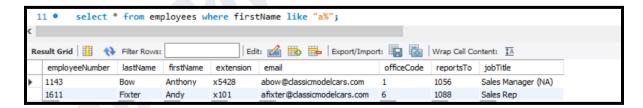
The following SQL statement selects all the employees from the OfficeCode in "3" or "5" or "7", in the "Employees" table:



LIKE:

- a. The LIKE operator is used in a WHERE clause to search for a specified pattern in a column.
- b. SQL wildcards are special characters used in SQL queries to match patterns in the data.
- c. There are two wildcards often used in conjunction with the LIKE operator:
 - The percent sign % represents zero, one, or multiple characters
 - The underscore sign _ represents one, single character

The following SQL statement selects all the employees where firstName starts with "a", in the "Employees" table:



The following SQL statement selects all the employees where firstName ends with "y", in the "Employees" table:



SQL AND, OR and NOT Operator

• The WHERE clause can be combined with AND, OR, and NOT operators.

1. AND Operator:

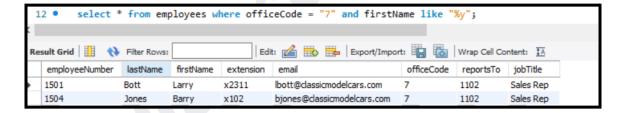
- a. The WHERE clause can contain one or many AND operators.
- b. The AND operator is used to filter records based on more than one condition
- c. Syntax:

```
SELECT column1, column2, ...

FROM table_name
WHERE condition1 AND condition2 AND condition3 ...;
```

d. Example:

The following SQL statement selects all the employees where firstName ends with "y" and officeCode = "7", in the "Employees" table:



2. OR Operator:

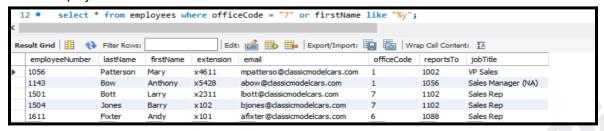
- a. The WHERE clause can contain one or more OR operators.
- b. The OR operator is used to filter records based on more than one condition
- c. Syntax:

```
SELECT column1, column2, ...

FROM table_name
WHERE condition1 OR condition2 OR condition3 ...;
```

d. Example:

The following SQL statement selects all the employees where firstName ends with "y" or officeCode = "7", in the "Employees" table:



AND vs OR vs NOT

- The AND operator displays a record if all the conditions are TRUE.
- The OR operator displays a record if any of the conditions are TRUE.
- The **NOT** operator displays a record if the condition(s) is **NOT TRUE**.

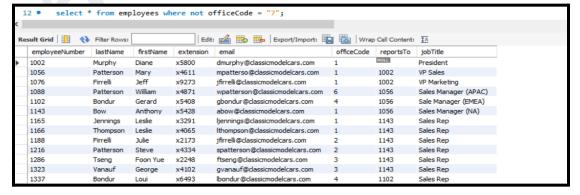
3. NOT Operator:

- a. The NOT operator is used in combination with other operators to give the opposite result, also called the negative result.
- b. Alternatively you can use <> (Not Operator) to get the same result
- c. Syntax:

```
SELECT column1, column2, ...
FROM table_name
WHERE NOT condition;
```

d. Example:

The following SQL statement selects all the employees where officeCode not equal to "7", in the "Employees" table:



SQL ORDER BY Keyword

- The ORDER BY keyword is used to sort the result-set 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:

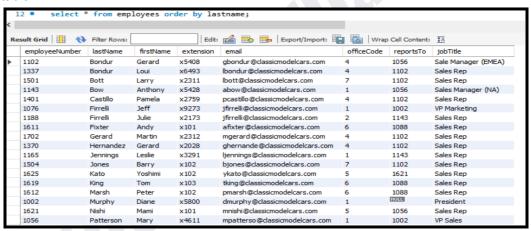
```
SELECT column1, column2, ...

FROM table_name

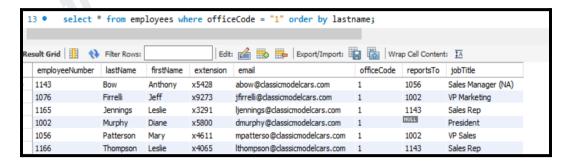
ORDER BY column1, column2, ... ASC|DESC;
```

Example:

The following SQL statement selects all the employees sorting lastname ascending, in the "Employees" table:



The following SQL statement selects all the employees where officeCode = "1" and sorting lastname descending, in the "Employees" table:



SQL SELECT DISTINCT Statement

- The SELECT DISTINCT statement is used to return only distinct (different) values.
- Inside a table, a column often contains many duplicate values; and sometimes you only want to list the different (distinct) values.
- The SELECT DISTINCT statement is used to return only distinct (different) values.
- Syntax:

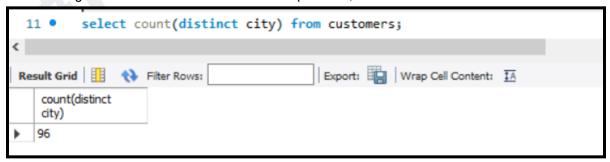
```
SELECT DISTINCT column1, column2, ...
FROM table_name;
```

Example:

The following SQL statement selects Unique cities, in the "Customers" table:



The following SQL statement selects count of unique cities, in the "Customers" table:



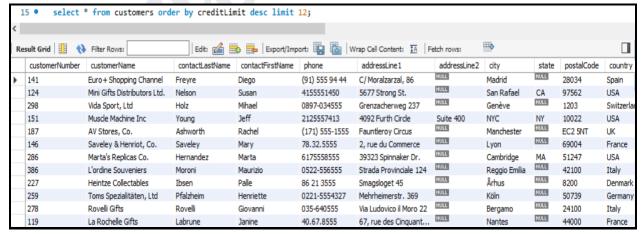
SQL LIMIT Clause

- The LIMIT in SQL is a clause that enables multi-page outcomes or SQL pagination to be easily coded and is very helpful on large tables.
- The LIMIT clause is used to specify the number of records to return.
- The LIMIT clause is useful on large tables with thousands of records. Returning a large number of records can impact performance.
- The LIMIT keyword is used to LIMIT the number of rows of a result set returned
- Any number from zero (0) and up can be the LIMIT number. No rows are returned from the set result if zero (0) is set as the LIMIT
- Syntax:

SELECT column_name(s)
FROM table_name
WHERE condition
LIMIT number;

• Example:

The following SQL statement select all columns till 12 records by creditLimit Ascending, in the "Customers" table:



SQL MAX() & MIN() Functions

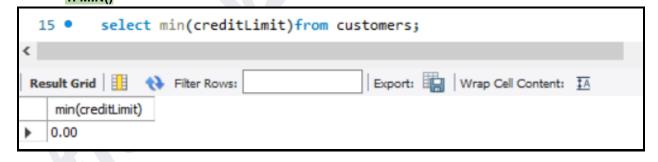
- The MIN() function returns the smallest value of the selected column.
- The MAX() function returns the largest value of the selected column.
- Syntax:
 MIN()

```
SELECT MIN(column_name)
FROM table_name
WHERE condition;
```

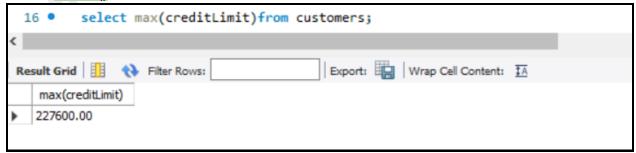
2. MAX()

```
SELECT MAX(column_name)
FROM table_name
WHERE condition;
```

Example:
 1. MIN()



2. MAX()



SQL SUM() & AVG() FUNCTIONS

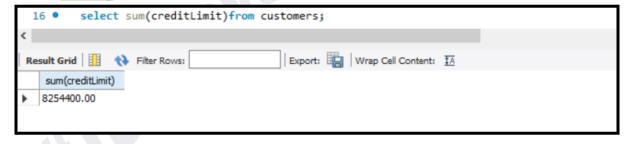
- The SUM() function returns the total sum of a numeric column.
- The AVG() function returns the average value of a numeric column.
- Syntax:1. SUM()

```
SELECT SUM(column_name)
FROM table_name
WHERE condition;
```

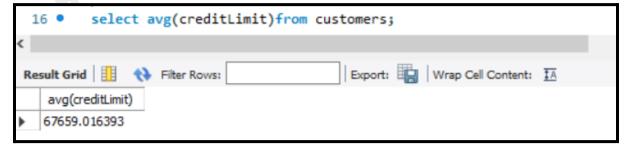
2. AVG()

```
SELECT AVG(column_name)
FROM table_name
WHERE condition;
```

Example:1. SUM()



2. AVG()



SQL COUNT() & LEN() FUNCTIONS

- The COUNT() function returns the number of rows that matches a specified criteria.
- The LEN() function returns the length of the value in a text field.
- Syntax:1. COUNT()

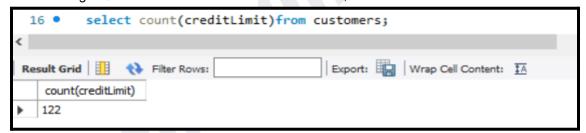
```
SELECT COUNT(column_name)
FROM table_name
WHERE condition;
```

2. LEN()

SELECT LEN(column_name) FROM table_name;

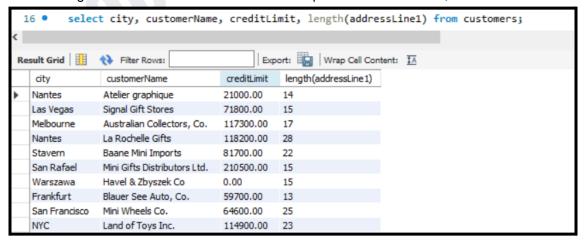
Example:1. COUNT()

The following SQL statement count number of creditLimit, in the "Customers" table:



2. LEN()

The following SQL statement select number of char present in the address, in the "Customers" table:



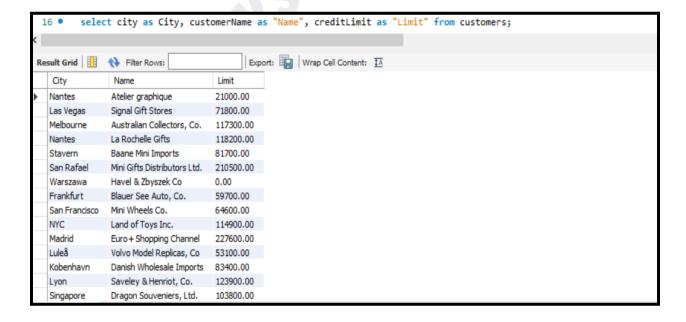
SQL ALIAS Clause

- SQL aliases are used to give a table, or a column in a table, a temporary name
- Aliases are often used to make column names more readable.
- An alias only exists for the duration of the query.
- The AS keyword is used to give columns or tables a temporary name that can be used to identify that column or table later.
- An SQL alias is useful for simplifying your queries and making the query and its result more readable.
- Syntax:

```
SELECT column_name AS alias_name
FROM table_name;
```

Example:

The following SQL statement renaming city to City, customerName to Name, creditLimit to Limit, in the "Customers" table:



SQL GROUP BY Statement

- GROUP BY is a SQL query clause used to group data rows based on one or more columns in a table.
- The query returns aggregated data instead of individual rows when using GROUP BY.
- The GROUP BY statement is often used with aggregate functions (COUNT, MAX, MIN, SUM, AVG) to group the result-set by one or more columns.
- Syntax:

```
SELECT column_name(s)
FROM table_name
WHERE condition
GROUP BY column_name(s)
ORDER BY column_name(s);
```

• Example:

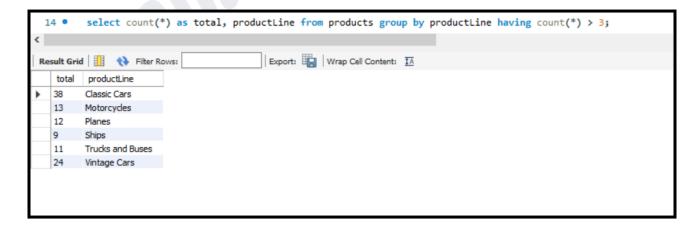
The following SQL statement selects count of customers where creditLimit > 70000 and grouping them according to their country, in the "Customers" table:



SQL HAVING Clause

- The HAVING clause was added to SQL because the WHERE keyword could not be used with aggregate functions
- The SQL HAVING clause is similar to the WHERE clause; both are used to filter rows in a table based on specified criteria.
- The HAVING keyword was introduced because the WHERE clause fails when used with aggregate functions.
- With the HAVING clause, you can arrange the data in your database into many groups when you
 use it with the GROUP BY keyword
- Syntax:

```
SELECT column_name(s)
FROM table_name
WHERE condition
GROUP BY column_name(s)
HAVING condition
ORDER BY column_name(s);
```

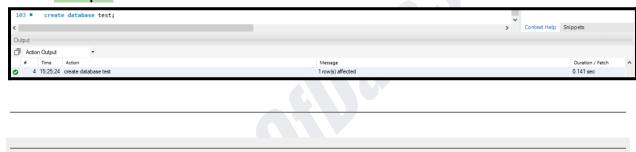


SQL CREATE DATABASE Statement

- The CREATE DATABASE statement is used to create a new SQL database
- Syntax:

CREATE DATABASE databasename;

Example:



SQL DROP DATABASE Statement

- The DROP DATABASE statement is used to drop an existing SQL database.
- Syntax:

DROP DATABASE databasename;



SQL CREATE TABLE Statement

- The CREATE TABLE statement is used to create a new table in a database
- The column parameters specify the names of the columns of the table.
- The datatype parameter specifies the type of data the column can hold (e.g. varchar, integer, date, etc.).
- Syntax:

```
CREATE TABLE table_name (
    column1 datatype,
    column2 datatype,
    column3 datatype,
    ....
);
```

Example:

The following SQL statement create table task where there is task_id, title, start_date, due_date, status, priority, description, created_at, in the "test" database:

```
create table task(
             task_id int auto_increment primary key,
 38
             title varchar(255) not null,
 39
 40
             start_date date,
 41
             due_date date,
 42
             status tinyint not null,
43
             priority tinyint not null,
 44
             description text,
             created_at timestamp default current_timestamp
 45
 46
         ) engine = InnoDB;
         select * from task;
                                            Edit: 🚄 📆 📙 Export/Import: 📳 🐻 Wrap Cell Content: 🔣
Result Grid
              ♠ Filter Rows:
          title
                 start_date
                                            priority
                                                    description
                                                               created_at
                          due date
                                    status
  NULL
                NULL
                                    NULL
                                                   NULL
                                            NULL
```

SQL DROP TABLE Statement

- The DROP TABLE statement is used to drop an existing table in a database.
- Syntax:

```
DROP TABLE table_name;
```

Example:

```
49 • drop table if exists task;
50
```

SQL ALTER TABLE Statement

- The ALTER TABLE statement is used to add, delete, or modify columns in an existing table.
- The ALTER TABLE statement is also used to add and drop various constraints on an existing table.
- Syntax:
 - 1. ADD Columns

```
ALTER TABLE table_name
ADD column_name datatype;
```

2. DROP Columns

```
ALTER TABLE table_name

DROP COLUMN column_name;
```

3. ALTER/MODIFY Columns

```
ALTER TABLE table_name
MODIFY COLUMN column_name datatype;
```

SQL INSERT INTO Statement

- The INSERT query serves the fundamental purpose of introducing new records (rows) into an existing database table.
- It's the essential tool for populating tables with fresh information, ensuring they stay up-to-date and reflect current data needs.

Syntax:

```
INSERT INTO table_name (column1, column2, column3, ...)
VALUES (value1, value2, value3, ...);
```

```
INSERT INTO table_name
VALUES (value1, value2, value3, ...);
```

• Example:

The following SQL statement insert value into table customers where there is id, name, age, address, salary in the "test":

```
1 INSERT INTO CUSTOMERS VALUES
2 (1, 'Ramesh', 32, 'Ahmedabad', 2000.00),
3 (2, 'Khilan', 25, 'Delhi', 1500.00),
4 (3, 'Kaushik', 23, 'Kota', 2000.00),
5 (4, 'Chaitali', 25, 'Mumbai', 6500.00),
6 (5, 'Hardik', 27, 'Bhopal', 8500.00),
7 (6, 'Komal', 22, 'Hyderabad', 4500.00),
8 (7, 'Muffy', 24, 'Indore', 10000.00);
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	37	Ahmedabad	5000.00
2	Khilan	30	Delhi	4500.00
3	Kaushik	28	Kota	5000.00
4	Chaitali	30	Mumbai	9500.00
5	Hardik	32	Bhopal	11500.00
6	Komal	27	Pune	7500.00
7	Muffy	29	Indore	13000.00

SQL Update Statement

- The UPDATE query is specifically designed to alter the values of columns within records that
 already exist in a database table. It's a powerful tool for maintaining data accuracy and keeping
 information up-to-date.
- Syntax:

```
UPDATE table_name
SET column1 = value1, column2 = value2, ...
WHERE condition;
```

Example:

The following SQL statement updates value of table customers where there is id, name, age, address, salary in the "test":

```
UPDATE CUSTOMERS

SET ADDRESS = 'Pune', SALARY = 1000.00

WHERE NAME = 'Ramesh';
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	37	Pune	1000.00

SQL Delete Statement

- The DELETE query is designed to permanently erase specific rows or records from a database table. It's essential for maintaining data hygiene, removing outdated information, and optimizing storage space.
- Syntax:

DELETE FROM table_name
WHERE condition;

Example:

The following SQL statement delete rows of table customers where there is id, name, age, address, salary in the "test":

DELETE FROM CUSTOMERS WHERE AGE > 25;

ID	NAME	AGE	ADDRESS	SALARY
2	Khilan	25	Delhi	1500.00
3	Kaushik	23	Kota	2000.00
4	Chaitali	25	Mumbai	6500.00
7	Muffy	24	Indore	10000.00

SQL Key and Constraints

- Keys and constraints act as guardians of data integrity and consistency.
- They establish rules and restrictions that guide how data is organized and maintained within tables, ensuring its accuracy and reliability.
- It prevents data duplication, inconsistencies, and violations of business rules.
- It optimizes query performance through indexing and relationships.
- It ensures data quality and accuracy, reducing errors and promoting confidence in decision-making.

• Types of Keys:

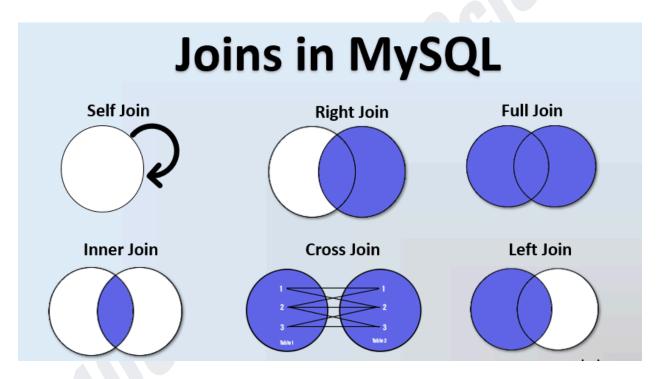
Sr. No.	Name	Definition
1	Primary Key	A unique column (or combination of columns) that unequivocally identifies each row in a table. It acts as the table's main index for accessing and joining data.
2	Foreign Key	A column (or set of columns) in one table that references the primary key of another table, establishing relationships between data and preventing inconsistencies.
3	Unique Key	A column (or set of columns) that must hold unique values within a table, ensuring data exclusivity and preventing duplicates.
4	Composite Key	Composite Key is a key that can be defined on two or more columns in a table to uniquely identify any record. It can also be described as a Primary Key created on multiple columns.

Types of Constraints:

Sr. No.	Name	Definition	
1	Not Null	Ensures a column cannot contain null values, mandating data presence for critical fields.	
2	Check	Validates data based on specified conditions, guaranteeing its adherence to defined rules.	
3	Default	Assigns a default value to a column if no value is provided during insertion, maintaining consistency.	

SQL Joins

- In the world of databases, joins play a pivotal role in bridging isolated tables and crafting comprehensive views of interconnected data.
- They empower you to combine information from multiple tables based on shared attributes, unlocking insights that reside beyond individual tables.
- A JOIN clause is used to combine rows from two or more tables, based on a related column between them.



- Types of Joins:
- 1. Inner Join
- 2. Self Join
- 3. Left Join
- 4. Right Join
- 5. Full Join
- 6. Cross Join

INNER JOIN

- The most common join type, it only includes rows where matched values exist in both tables.
- Ideal for retrieving related data that exists in both tables.
- Syntax:

```
SELECT column_name(s)
FROM table1
INNER JOIN table2 ON table1.column_name = table2.column_name;
```

Example:

```
1 SELECT ID, NAME, AMOUNT, DATE
2 FROM CUSTOMERS
3 INNER JOIN ORDERS
4 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
```

ID	NAME	AMOUNT	DATE
3	Kaushik	3000.00	2009-10-08 00:00:00
3	Kaushik	1500.00	2009-10-08 00:00:00
2	Khilan	1560.00	2009-11-20 00:00:00
4	Chaitali	2060.00	2008-05-20 00:00:00

SELF JOIN

- A unique join that joins a table to itself, enabling comparisons or relationships within a single table.
- Syntax:

```
SELECT column_name(s)
FROM table1 T1, table1 T2
WHERE condition;
```

```
1 SELECT a.ID, b.NAME as EARNS_HIGHER, a.NAME
2 as EARNS_LESS, a.SALARY as LOWER_SALARY
3 FROM CUSTOMERS a, CUSTOMERS b
4 WHERE a.SALARY < b.SALARY
5 ORDER BY a.SALARY;</pre>
```

LEFT JOIN

- The LEFT JOIN keyword returns all records from the left table (table1), and the matched records from the right table (table2). The result is NULL from the right side, if there is no match.
- Syntax:

```
SELECT column_name(s)
FROM table1
LEFT JOIN table2 ON table1.column_name = table2.column_name;
```

Example:

```
1 SELECT CUSTOMERS.ID, CUSTOMERS.NAME, ORDERS.DATE, EMPLOYEE.EMPLOYEE_NAME
FROM CUSTOMERS
LEFT JOIN ORDERS
ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
LEFT JOIN EMPLOYEE
ON ORDERS.OID = EMPLOYEE.EID;
```

ID	NAME	DATE	EMPLOYEE_NAME
1	Ramesh	NULL	NULL
2	Khilan	2009-11-20 00:00:00	REVATHI
3	Kaushik	2009-10-08 00:00:00	ALEKHYA
3	Kaushik	2009-10-08 00:00:00	SARIKA

RIGHT JOIN

- The RIGHT JOIN keyword returns all records from the right table (table2), and the matched records from the left table (table1). The result is NULL from the left side, when there is no match.
- Syntax:

```
SELECT column_name(s)
FROM table1
RIGHT JOIN table2 ON table1.column_name = table2.column_name;
```

```
1 V SELECT ID, NAME, DATE, AMOUNT FROM CUSTOMERS
2 RIGHT JOIN ORDERS
3 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
4 WHERE ORDERS.AMOUNT > 1000.00;
```

ID	NAME	DATE	Amount
3	Kaushik	2009-10-08 00:00:00	3000.00
3	Kaushik	2009-10-08 00:00:00	1500.00

FULL JOIN

- The FULL OUTER JOIN keyword return all records when there is a match in either left (table1) or right (table2) table records.
- Syntax:

```
SELECT column_name(s)
FROM table1
FULL OUTER JOIN table2 ON table1.column_name = table2.column_name;
```

Example:

```
1 SELECT ID, NAME, DATE, AMOUNT FROM CUSTOMERS
2 FULL JOIN ORDERS
3 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
4 WHERE ORDERS.AMOUNT > 2000.00;
```

ID	NAME	DATE	AMOUNT
3	Kaushik	2009-10-08 00:00:00	3000.00
4	Chaitali	2008-05-20 00:00:00	2060.00

CROSS JOIN

- The CROSS JOIN keyword returns all records from both tables (table1 and table2).
- Syntax:

```
SELECT column_name(s)
FROM table1
CROSS JOIN table2;
```

```
1 SELECT ID, NAME, AMOUNT, DATE, ORDER_RANGE
2 FROM CUSTOMERS
3 CROSS JOIN ORDERS
4 CROSS JOIN ORDER_RANGE;
```

ID	NAME	AMOUNT	DATE	ORDER_RANGE
2	Khilan	1560	2009-11-20 00:00:00	1-100
1	Ramesh	1560	2009-11-20 00:00:00	1-100
2	Khilan	1500.00	2009-10-08 00:00:00	1-100
1	Ramesh	1500.00	2009-10-08 00:00:00	1-100