**SQL QUERY**

**CREATE DATABASE**Database Name;

**Example:**

**CREATE** **DATABASE** Student ;

**Drop Database**

**DROP** **DATABASE** Database\_Name;

**Example:**

**DROP** **DATABASE** Student;

**Rename Database:**

RENAME **DATABASE** old\_database\_name **TO** new\_database\_name;

**Example:**

**ALTER** **DATABASE** Department **MODIFY** **NAME** = Company ;

**Select Database:**

USE database\_name;

**Example**:

USE Hospital;

**Create table:**

**create** **table** "tablename"

"column1" "data type",

“column2" "data type",

"column3" "data type",

...

"columnN" "data type");

**Example:**

**CREATE** **TABLE** Employee

(

EmployeeID **int**,

FirstName **varchar**(255),

LastName **varchar**(255),

Email **varchar**(255),

AddressLine **varchar**(255),

City **varchar**(255)

);

**Drop table:**

**DELETE** **FROM** table\_name [**WHERE** condition];

**Example:**

**DELETE FROM** student [**WHERE** id=3];

**Rename table:**

**RENAME** old\_table \_name **To** new\_table\_name ;

**Example:**

**Rename** student **TO** studentdetails;

**TRUNCATE TABLE:**

**TRUNCATE** **TABLE** table\_name;

**Example:**

**TRUNCATE** **TABLE** Employee;

**Copy Table:**

**SELECT \* INTO** New\_table\_name **FROM** old\_table\_name

**Example:**

**SELECT \* INTO**Car\_Details **FROM** Cars

**Alter Table:**

**ALTER TABLE** table\_name **ADD** column\_name column-definition;

**Example:**

**ALTER TABLE** Cars **ADD** Car\_Model Varchar(20);

**Select Distinct:**

**SELECT** **DISTINCT** column\_name ,column\_name

**FROM**  table\_name;

**Example:**

**SELECT DISTINCT** home\_town

**FROM** students;

**Select count:**

**SELECT** COUNT(column\_name) **FROM** table\_name;

**Example:**

**SELECT** COUNT (Bike\_Color) **AS** TotalBikeColor **FROM** Bikes;

**Select Top:**

**SELECT TOP** 3 column name, column name **FROM** table name;

**Example:**

**SELECT TOP** 3 Car\_Name, Car\_Color **FROM** Cars;

**Select First:**

**SELECT** **FIRST**(column\_name) **FROM** table\_name;

**Example:**

**SELECT** **FIRST**(customer\_name) **AS** first\_customer **FROM** customers;

**Select Last:**

**SELECT** **LAST** (Field\_Name) **FROM** Table\_Name;

**Example:**

**SELECT** **LAST** (Student\_Name) **AS** Last\_Student **FROM** Student\_Details;

**Select Sum:**

**SELECT** SUM (expression)

**FROM** tables

**WHERE** conditions;

**Example:**

**SELECT** SUM (**DISTINCT** salary) **AS** "Total Salary"

**FROM** employees

**WHERE** salary > 20000;

**Having clause:**

**SELECT** (column\_Name) **FROM** table\_name **GROUP** **BY** column\_Name1 **HAVING** condition;

**Example:**

**SELECT** SUM(Emp\_Salary), Emp\_City **FROM** Employee **GROUP** **BY** Emp\_City **HAVING** SUM(Emp\_Salary)>5000;

**SQl Left Join:**

**SELECT** table1.column1, table2.column2....

**FROM** table1

LEFT JOIN table2

**ON** table1.column\_field = table2.column\_field;

**Example:**

SQL **SELECT** ID, **NAME**, AMOUNT,**DATE**

**FROM** CUSTOMER

**LEFT** JOIN **ORDER**

**ON** CUSTOMER.ID = **ORDER**.CUSTOMER\_ID;

**SQl Left Join:**

**SELECT** table1.column1, table2.column2....

**FROM** table1

RIGHT JOIN table2

**ON** table1.column\_field = table2.column\_field;

**Example:**

SQL **SELECT** ID, **NAME**, AMOUNT,**DATE**

**FROM** CUSTOMER

RIGHT JOIN ORDER

**ON** CUSTOMER.ID = **ORDER**.CUSTOMER\_ID;

**Full Join:**

**SELECT** \*

**FROM** table1

**FULL** OUTER JOIN table2

**ON** table1.column\_name = table2.column\_name;

**Example:**

**SELECT** \*

**FROM** Customer

**FULL** OUTER JOIN Orders

**ON** table1.Customer id= table2\_name;