**Database[Basic Queries, Aggregative Queries]**

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**Queries:**

1.CREATE DATABASE databasename; - create db

2.DROP DATABASE databasename; - delete db

3.CREATE TABLE TestTable AS SELECT first\_name, email FROM tablename;[copy and create]

4.CREATE TABLE tablename (PersonID int,LastName varchar(255),FirstName varchar(255),Address varchar(255),City varchar(255)); - create table

5.DROP TABLE table\_name;, TRUNCATE TABLE table\_name; - delete table

6.ALTER TABLE Customers DROP COLUMN Email;, ALTER TABLE Persons ADD DateOfBirth date;

7.ALTER TABLE table\_name MODIFY COLUMN column\_name datatype;, ALTER TABLE Persons ALTER COLUMN DateOfBirth year;

8.Constraints[not null], CREATE TABLE Persons (ID int NOT NULL, LastName varchar(255) NOT NULL, FirstName varchar(255) NOT NULL, Age int );,

ALTER TABLE Persons MODIFY Age int NOT NULL;

9.Auto Increment: CREATE TABLE Persons (Personid int NOT NULL AUTO\_INCREMENT,LastName varchar(255) NOT NULL,FirstName varchar(255),Age int,PRIMARY KEY (Personid));

10.SELECT \* FROM table\_name;, SELECT CustomerName, City FROM Customers;

11.SELECT DISTINCT Country FROM Customers;,

12.SELECT \* FROM Customers WHERE Country='Mexico';, SELECT \* FROM Customers WHERE CustomerID=1;[Operators:=,<,>,>=,<=,between,like

13.SELECT \* FROM Customers WHERE Country='Germany' AND City='Berlin';, SELECT \* FROM Customers WHERE City='Berlin' OR City='München';,SELECT \* FROM Customers WHERE Country='Germany' AND (City='Berlin' OR City='München');

14.SELECT \* FROM Customers WHERE NOT Country='Germany';,SELECT \* FROM Customers WHERE NOT Country='Germany' AND NOT Country='USA';

15.SELECT \* FROM Customers ORDER BY Country DESC;

16.UPDATE Customers SET ContactName = 'Alfred Schmidt', City = 'Frankfurt' WHERE CustomerID = 1;

17.DELETE FROM Customers WHERE CustomerName='Alfreds Futterkiste';

18.SELECT \* FROM Customers LIMIT 3;, SELECT \* FROM Customers WHERE Country='Germany' LIMIT 3;

19.SELECT MIN(Price) AS SmallestPrice FROM Products; , SELECT MAX(Price) AS LargestPrice FROM Products;

20.SELECT COUNT(ProductID) FROM Products; , SELECT SUM(Quantity) FROM OrderDetails;

21.SELECT \* FROM Customers WHERE CustomerName LIKE 'a%';,SELECT \* FROM Customers WHERE CustomerName LIKE '%a';,SELECT \* FROM Customers WHERE CustomerName LIKE '%or%';,SELECT \* FROM Customers WHERE CustomerName LIKE '\_r%';,SELECT \* FROM Customers WHERE ContactName LIKE 'a%o';,SELECT \* FROM Customers WHERE CustomerName NOT LIKE 'a%';

22.SELECT \* FROM Customers WHERE City LIKE '\_ondon';,SELECT \* FROM Customers WHERE City LIKE '%es%';[Wildcard]

23.SELECT \* FROM Customers WHERE Country IN ('Germany', 'France', 'UK');[three countries report],SELECT \* FROM Customers WHERE Country NOT IN ('Germany', 'France', 'UK');,SELECT \* FROM Customers WHERE Country IN (SELECT Country FROM Suppliers);

SELECT \* FROM Products WHERE Price BETWEEN 10 AND 20;,SELECT \* FROM Products WHERE Price NOT BETWEEN 10 AND 20;,SELECT \* FROM Products WHERE Price BETWEEN 10 AND 20 AND CategoryID NOT IN (1,2,3);

24.SELECT CustomerID AS ID, CustomerName AS Customer FROM Customers;[Alias], SELECT CustomerName AS Customer, ContactName AS "Contact Person"

FROM Customers;

25.SELECT class\_id, CONCAT\_WS(', ', class\_name, std\_id) AS Details FROM class;[combained]

26.SELECT COUNT(CustomerID), Country FROM Customers GROUP BY Country;[group by]