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Assignment No.4 :

SQL Operators (AND, OR, NOT, LIKE, BETWEEN, IN)

Design 12 queries (2 on each operator) of your own and perform on the suitable database.

CREATE DATABASE CompanyDB;

USE CompanyDB;

**CREATE TABLE Employee (
 id INT PRIMARY KEY,
 name VARCHAR(100),
 age INT,
 city VARCHAR(100),
 department VARCHAR(100)
);**

**ALTER TABLE Employee
ADD gender VARCHAR(10);**

**INSERT INTO Employee VALUES
(101,'Venkatesh',21,'Aurangabad','Marketing','Male'),
(102,'Abhishek',17,'Nashik','Sales','Male'),
(103,'Parth',41,'Mumbai','Marketing','Male'),
(104,'Priya',29,'Pune','HR','Female'),
(105,'Rahul',35,'Delhi','Finance','Male'),
(106,'Sneha',28,'Bangalore','IT','Female'),
(107,'Amit',32,'Kolkata','Operations','Male'),
(108,'Neha',26,'Chennai','HR','Female'),
(109,'Manoj',38,'Hyderabad','IT','Male'),
(110,'Ananya',24,'Jaipur','Sales','Female');**

**UPDATE Employee
SET gender = 'Male'
WHERE id IN (101, 102, 103, 106, 107, 109)**

UPDATE Employee
SET gender = 'Female'
WHERE id IN (104, 105, 108, 110);

SELECT *
FROM Employee
WHERE age BETWEEN 25 AND 35
AND department = 'IT';

Result Grid

Filter Rows:

Edit:

	id	name	age	city	department	gender
▶	106	Sneha	28	Bangalore	IT	Female
•	NULL	NULL	NULL	NULL	NULL	NULL

SELECT *
FROM Employee
WHERE name = 'Amit'
AND (city = 'Kolkata' OR city = 'Delhi');

Result Grid

Filter Rows:

Edit:

	id	name	age	city	department	gender
▶	107	Amit	32	Kolkata	Operations	Male
✱	NULL	NULL	NULL	NULL	NULL	NULL

SELECT *
FROM Employee
WHERE department = 'Marketing'
OR department = 'Sales';

Result Grid

Filter Rows:

Edit:

	id	name	age	city	department	gender
▶	101	Venkatesh	21	Aurangabad	Marketing	Male
	102	Abhishek	17	Nashik	Sales	Male
	103	Parth	41	Mumbai	Marketing	Male
	110	Ananya	24	Jaipur	Sales	Female
•	NULL	NULL	NULL	NULL	NULL	NULL

SELECT *

FROM Employee

WHERE age < 25

OR age > 40;

Result Grid

Filter Rows:

Edit:

	id	name	age	city	department	gender
▶	101	Venkatesh	21	Aurangabad	Marketing	Male
	102	Abhishek	17	Nashik	Sales	Male
	103	Parth	41	Mumbai	Marketing	Male
	110	Ananya	24	Jaipur	Sales	Female
✱	NULL	NULL	NULL	NULL	NULL	NULL

SELECT *

FROM Employee

WHERE NOT city = 'Mumbai';

Result Grid

Filter Rows:

Edit:

	id	name	age	city	department	gender
▶	101	Venkatesh	21	Aurangabad	Marketing	Male
	102	Abhishek	17	Nashik	Sales	Male
	104	Priya	29	Pune	HR	Female
	105	Rahul	35	Delhi	Finance	Male
	106	Sneha	28	Bangalore	IT	Female
	107	Amit	32	Kolkata	Operations	Male
	108	Neha	26	Chennai	HR	Female
	109	Manoj	38	Hyderabad	IT	Male
	110	Ananya	24	Jaipur	Sales	Female
⬢	NULL	NULL	NULL	NULL	NULL	NULL

SELECT *

FROM Employee

WHERE NOT department = 'Finance';