

TASK 3

SELECT – WHERE – AND – OR -- ORDER BY -- LIMIT

SELECT * FROM Customers; -- SELETE Statement use to retrieve all data

Customer_Id	Full_Name	Contact	Email	Address
201	Vishal Patil	9876543210	aarav.sharma@email.com	123, Gandhi Street, Mumbai
202	Bhavna Singh	8765432109	NULL	456, Nehru Road, Delhi
203	Tejas Khillari	7654321098	chirag.patel@email.com	789, Shivaji Nagar, Pune
204	Deepika Gupta	6543210987	deepika.g@email.com	101, Mall Road, Kolkata
205	Avinash Kate	5432109876	NULL	202, Ram Colony, Chennai
206	Mahesh Jadhav	8877665544	gaurav.v@email.com	404, Main Market, Jaipur
207	Adinath kshisagar	6655443322	adinath2020@email.com	606, Airport Road, Hyderabad
208	Janki Mehta	5544332211	janki.mehta@email.com	707, Station Road, Ahmedabad
209	Kabir Sharma	9123456789	NULL	808, Ring Road, Kochi
210	Lalita Singh	8234567890	lalita.s@email.com	909, Beach Road, Vizag
211	Manav Kumar	7345678901	manav.k@email.com	1010, City Centre, Bhopal

-- Above customers table Row number 205 Email are Null .

UPDATE Customers SET Email='avikate@gmail.com' WHERE Customer_id = 205 ;

--Update the email row number 205. Using UPDATE STATEMENT

Customer_Id	Full_Name	Contact	Email	Address
201	Vishal Patil	9876543210	aarav.sharma@email.com	123, Gandhi Street, Mumbai
202	Bhavna Singh	8765432109	NULL	456, Nehru Road, Delhi
203	Tejas Khillari	7654321098	chirag.patel@email.com	789, Shivaji Nagar, Pune
204	Deepika Gupta	6543210987	deepika.g@email.com	101, Mall Road, Kolkata
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208	Janki Mehta	5544332211	janki.mehta@email.com	707, Station Road, Ahmedabad
209	Kabir Sharma	9123456789	NULL	808, Ring Road, Kochi
210	Lalita Singh	8234567890	lalita.s@email.com	909, Beach Road, Vizag

-- 1 Find the Product_Name and Price for all products in the 'Electronics' category that cost more than \$10,000.

SELECT Product_Name , price FROM Products WHERE category='Electronics' AND price > 10000;

	product_Name	price
▶	Laptop Pro 15-inch	120000.00
	Gaming PC Xtreme	150000.00
	Noise-Cancelling Headphones	18000.00
	4K Monitor 27-inch	35000.00
	Smartwatch Fitness	12000.00
	Digital Camera 24MP	25000.00
	Smart TV 55-inch	55000.00
	Smartphone X10	75000.00
	Tablet Pro 11-inch	50000.00

-- 2 Get the Full_Name and Email of customers whose Address is in 'Pune' And who have a contact number starting with '98'.

SELECT Full_Name , Email **FROM** Customers **WHERE** Address **LIKE** '%Pune%' **AND** Contact **LIKE** '98%' ;

Full_Name	Email
Zoya Gupta	NULL
Jiya Sharma	jiya.s@email.com
Urvashi Singh	urvashi.s@email.com
Sonal Jadhav	sonal.j@email.com
Deepak Patel	deepak.p@email.com

-- 3 Get the Full_Name and Address of all customers located in either 'Mumbai' or 'Delhi'.

SELECT Full_Name , Address **FROM** Customers **WHERE** Address **LIKE** '%Mumbai%' **OR** Address **LIKE** '%Delhi%' ;

Full_Name	Address
Vishal Patil	123, Gandhi Street, Mumbai
Bhavna Singh	456, Nehru Road, Delhi
Tanvi Desai	1717, Marine Drive, Mumbai

-- 4 List the Order_Id, Amount, and Order_Date for all orders made using the 'CARD' payment type, placed between September 10th and September 18th, 2025.

SELECT Order_id , Amount, Order_Date **FROM** Orders **WHERE** Payment_Type = 'CARD' **AND** Order_Date **BETWEEN** '2025-09-10' **AND** '2025-09-18';

Order_id	Amount	Order_Date
19	1800.00	2025-09-10 12:00:00
21	2500.00	2025-09-11 10:00:00
24	2500.00	2025-09-12 13:00:00
26	480.00	2025-09-13 15:00:00
29	40000.00	2025-09-15 09:00:00
31	120000.00	2025-09-16 10:30:00
34	8000.00	2025-09-17 14:20:00

-- 5 Display the Payment_Id and Payment_Date for all 'Unpaid' payments.

SELECT Payment_Id, Payment_Date **FROM** Payments **WHERE** payment_Status = 'Unpaid';

Payment_Id	Payment_Date
10004	2025-09-02 14:20:00
10008	2025-09-04 16:15:00
10014	2025-09-07 17:00:00
10024	2025-09-12 13:00:00
10030	2025-09-15 14:00:00
10036	2025-09-18 18:30:00
10040	2025-09-20 15:00:00

-- 6 Retrieve the Product_Name and Stock_quantity for all products in the 'Electronics' category that have a Stock_quantity greater than 100. Order the results by Stock_quantity in ascending order.

SELECT * FROM Products WHERE Category = 'Electronics'

AND Stock_quantity > 100 ORDER BY Stock_quantity ASC ;

Product_Id	Product_Name	Category	Price	Stock_quantity
117	Portable Bluetooth Speaker	Electronics	4000.00	120
114	Mechanical Keyboard G9	Electronics	5000.00	150
122	Laptop Backpack	Electronics	2500.00	150
123	Portable Power Bank 20000mAh	Electronics	3000.00	180
113	Wireless Mouse Pro	Electronics	1500.00	200
NULL	NULL	NULL	NULL	NULL

-- 7 List the Order_Id, Amount, and Order_Date for all orders with an Amount between \$50,000 and \$100,000.

SELECT Order_Id, Amount, Order_Date FROM Orders WHERE Amount BETWEEN 50000 AND 100000;

Order_Id	Amount	Order_Date
22	55000.00	2025-09-11 14:00:00
27	55000.00	2025-09-14 10:30:00
30	50000.00	2025-09-15 14:00:00
NULL	NULL	NULL

-- 8 Find the Product_Name and Category for all products that contain the word 'Smart' in their name.

SELECT Product_Name, Category FROM Products WHERE Product_Name LIKE '%smart%';

Product_Name	Category
Smartwatch Fitness	Electronics
Smart TV 55-inch	Electronics
Smartphone X10	Electronics
Air Purifier Smart	Home Appliances

-- 9 Display the Product_Name and Price for all products in the 'Apparel' category that have a Price less than \$2,000. Sort the results by Price in descending order.

SELECT Product_Name, price FROM products WHERE Category = 'Apparel'

AND Price < 2000 ORDER BY Price DESC ;

Product_Name	price
Dress Shirt Formal	1800.00
Womens Yoga Pants	1500.00
Cotton Polo Shirt	1200.00
Winter Wool Scarf	1100.00
Sports Bra	950.00
Vintage Graphic T-Shirt	900.00
Running Shorts Performance	800.00
Swim Trunks	700.00

-- 10 Retrieve all Customer_id, Order_Id, Product_Id, and Amount for the customer with the Customer_Id of 213.

SELECT c.Customer_id, o.Order_Id, o.Product_Id, o.Amount **FROM** Orders o , Customers c
WHERE o.customer_id = 213 **AND** c.Customer_id=213 ;

Customer_id	Order_Id	Product_Id	Amount
213	3	122	2500.00
213	14	135	3200.00
213	17	133	7500.00

-- 11 List the Customer_Id and Full_Name of all customers who do not have an email address provided (i.e., their Email is NULL).

SELECT Customer_Id, Full_Name, Email **FROM** Customers **WHERE** Email **IS NULL** ;

Customer_Id	Full_Name	Email
202	Bhavna Singh	NULL
209	Kabir Sharma	NULL
212	Nandini Reddy	NULL
217	Tarvi Desai	NULL
222	Zoya Gupta	NULL
225	Chetan Verma	NULL
231	Irfan Sheikh	NULL
241	Virendra Singh	NULL
244	Anisha Sharma	NULL
255	Rahul Gupta	NULL
258	Umesh Kumar	NULL
261	Yusuf Pathan	NULL
NULL	NULL	NULL