

MASTER SQL IN 30 DAYS - DSWR

TOPICS - SELECT clause, Renaming columns, DISTINCT, WHERE condition, Membership operator (IN, NOT IN), ORDER BY, Finding NULL values using WHERE, LIMIT/OFFSET, LIKE % / LIKE _, UPDATE, Row DELETE

1. Display distinct job titles from the Employees table where the department is either 'Sales' or 'IT', sorted in reverse alphabetical order.
2. Find the first 5 products (by name) that start with 'A' and have a price greater than ₹500.
3. Update the Discount column to 0 for all products where the discount is currently NULL and price is below ₹100.
4. Delete all customers from the Customers table who have not provided an email (i.e., Email is NULL) and live outside 'Delhi' or 'Mumbai'.
5. Select the names and salaries of employees whose name has exactly 5 characters and salary is above ₹30,000, sorted by salary descending.
6. Rename the column CustomerName to Client and display it along with the City, for customers from Bengaluru or Jaipur.
7. Get the 6th to 10th most expensive products. Show their name and price.
8. Display how many employees have NULL in the PhoneNumber column.
9. Find distinct departments where employees earn more than ₹50,000. Show department names in ascending order.
10. Update all employees whose name starts with 'R' and salary is below ₹25,000 to set their department to 'Support'.
11. Display the 3rd to 7th distinct job titles from the Employees table where the job title ends with 'r' and salary is not NULL, sorted alphabetically.
12. Delete all rows from the Products table where the product name starts with a vowel (A, E, I, O, U), has price below ₹100, and the description is NULL.
13. Update customers to 'Inactive' status where their phone number is NULL, email ends with .org, and they are not from 'Mumbai', 'Delhi', or 'Chennai'.
14. Show the last 4 employee names (alphabetically) whose names have exactly 6 letters and whose salary is below ₹20,000 or is NULL.
15. Count how many distinct cities have customers with NULL email and phone number ending in '9999'.
16. Retrieve the top 5 product names (by price) that do not contain the letter 'e' and have a price between ₹200 and ₹1000.
17. Update all employees whose names contain exactly 2 'a's and department is NULL, setting their department to 'Unknown'.
18. Delete the bottom 5 priced products that have names of exactly 5 characters and are not in categories 1 or 2.
19. List 5 distinct departments whose names start and end with the same letter, ignoring case.
20. Select the last 3 customers (by name) who are not from cities starting with 'B' or 'C', and their email is not NULL. Rename CustomerName to Client.