DATABASE TECHNOLOGY

Write the SELECT queries to do the following:-

Note : To solve below queries use "hr" database

1. Write a query to display the first_name, last_name using alias name "First Name", "Last Name".

2. Write a query to get unique department ID from employee table.

3. Write a query to get all employee details from the employee table order by first name, descending.

4. Write a query to get the names (first_name, last_name), salary, PF of all the employees (PF is calculated as 15% of salary).

5. Write a query to get the employee ID, names (first_name, last_name), salary in ascending order of salary.

6. Write a query to get the total salaries payable to employees.

7. Write a query to get the maximum and minimum salary from employees table.

8. Write a query to calculate 171*214+625.

9. Write a query to get the names (for example Ellen Abel, Sundar Ande etc.) of all the employees from employees table.
10. Write a query to select first 10 records from a employees table.

11. Display first name and join date of the employees who is either IT Programmer or Sales Man.

12. Display details of employee with ID 150 or 160.

13. Display first name, salary, commission pct, and hire date for employees with salary less than 10000.

14. Display employees where the first name or last name starts with S.

15. Display details of jobs in the descending order of the title.

16. Display details of the employees where commission percentage is null and salary in the range 5000 to 10000 and department is 30.

17. Display employees first_name,email who are working in "Executive" department.

18. Display unique contry_id from locations table.

19. Display all employees whoe have job_id IT_PROG and FI_ACCOUNT.

20. Display all countries in ascending order.

Note : To solve below queries use "spj" database

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1. Display all the data from the S table.

2. Display only the S# and SNAME fields from the S table.

3. Display the PNAME and COLOR from the P table for the CITY="London".

4. Display all the Suppliers from London.

5. Display all the Suppliers from Paris or Athens.

6. Display all the Projects in Athens.

7. Display all the Partnames with the weight between 12 and 14 (inclusive of both).

8. Display all the Suppliers with a Status greater than or equal to 20.

9. Display all the Suppliers except the Suppliers from London.

10. Display only the Cities from where the Suppliers come from.

11. Assuming that the Part Weight is in GRAMS, display the same in
MILLIGRAMS and KILOGRAMS.

12. Display the Supplier table in the descending order of CITY.
13. Display the Part Table in the ascending order of CITY and within the city in the ascending order of Part names.

14. Display all the Suppliers with a status between 10 and 20.

15. Display all the Parts and their Weight, which are not in the range of 10 and

Note : To solve below queries use "northwind" database

1. Write a query to get Product name and quantity/unit

2. Write a query to get current Product list (Product ID and name)

3. Write a query to get Product list (id, name, unit price) where current products cost less than $20.

4. Write a query to get Product list (id, name, unit price) where products cost between $15 and $25.

5. Write a query to get Product list (name, unit price) of above average price.

6. Write a query to get CategoryName and Description from the Categories table.

7. Write a query to get ContactName, CompanyName, ContactTitle and Phone from the Customers table.

8. Write a query to get EmployeeID, Title, FirstName, LastName, and Region from the Employees table.
9. Write a query to get RegionID and RegionDescription from the Region table.

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10. Write a query to get CompanyName, Fax, Phone and HomePage from the Suppliers table.

11. Write a query to get CategoryName and Description from the Categories table sorted by CategoryName.

12. Write a query to get ContactName, CompanyName, ContactTitle, and Phone from the Customers table sorted by Phone.

13. Create a report showing employees' first and last names and hire dates sorted from newest to oldest employee.

14. Create a report showing Northwind's orders sorted by Freight from most expensive to cheapest. Show OrderID, OrderDate, ShippedDate, CustomerID, and Freight.

15. Write a query to get CompanyName, Fax, Phone, HomePage and Country from the Suppliers table sorted by Country in descending order and then by CompanyName in ascending order.

16. Create a list of employees showing title, first name, and last name. Sort by Title in ascending order and then by LastName in descending order.

17. Create a report showing all the company names and contact names of Northwind's customers in Buenos Aires.

18. Create a report showing the product name, unit price and quantity per unit of all products that are out of stock.

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19. Create a report showing the order date, shipped date, customer id, and freight of all orders placed on May 19, 1997.

20. Create a report that shows the company name, contact name and fax number of all customers that have a fax number.

21. Create a report that shows the first and last name of all employees who do not report to anybody.

Note : To solve below queries use "sales" database

1. Which field of the Customers table is the primary key?

2. What is the 4 th column of the Customers table?

3. What is another word for row? For column?

4. Why isn't it possible to see the first five rows of a table?

5. Write a select command that produces the order number, amount, and date forall rows in the Orders table.

6. Write a query that produces all rows from the Customers table for which the salesperson's number is 1001.

7. Write a query that displays the Salespeople table with the columns in the following order: city, sname, snum, comm.
8. Write a select command that produces the rating followed by the name of each customer in San Jose.

9. Write a query that will produce the snum values of all salespeople from the Orders table (with the duplicate values suppressed).

10. Write a query that will give you all orders for more than Rs. 1,000.

11. Write a query that will give you the names and cities of all salespeople in London with a commission above 0.10.

12. Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

13. What will be the output from the following query?
Select * from Orders
where (amt < 1000 OR
NOT (odate = '1990-10-03'
AND cnum > 2003));

14. What will be the output of the following query?
Select * from Orders
where NOT ((odate = '1990-10-03' OR snum >1006) AND amt >= 1500);

15. What is a simpler way to write this query?
Select snum, sname, city, comm from Salespeople
Where (comm > .12 or comm < .14);

16. Write a query that selects all of the customers serviced by Peel or Motika.
(Hint:the snum field relates the two tables to one another).

17. Write a query that selects all orders except those with zeroes or NULLs in the amt field.