**CASESTUDY**

**TOPIC: Human Resources**

-- 1. Create a report that shows the Employee name and DOB from the hrdataset\_v14 table sorted by DOB

select Employee\_Name, DOB from hrdataset\_v14 order by DOB;

-- 2.Create a report that shows the EmpID, sex, marital Description, reace description, department from the hrdataset\_v14 table sorted by Department.

select EmpID,Sex,MaritalDesc,RaceDesc,Department from hrdataset\_v14 order by Department;

-- 3.Create a report that shows all the employee name in lowercase letter and renamed as Emp\_Name from the hrdataset\_v14 table

select lower(Employee\_Name) as Emp\_Name from hrdataset\_v14;

-- 4.Create a report that shows the Employee Name,EmpID,Department from the hrdataset\_v14 by department in the descending order

select Employee\_Name,EmpID,Department from hrdataset\_v14 order by Department desc;

-- 5. Create a report that shows all the employees that are married

select Employee\_Name from hrdataset\_v14 where MaritalDesc = "married";

-- 6.Write a query to add new column in hrdataset\_v14 table

alter table hrdataset\_v14 add column contact\_no int;

-- 7.Write a query to delete column FromDiversityJobFairID.

alter table hrdataset\_v14 drop column FromDiversityJobFairID;

-- 8.Write a query to rename column Position to Designation

alter table hrdataset\_v14 rename column Position to Designation;

-- 9. Write a query to change the datatype of an existing column ManagerName

alter table hrdataset\_v14 modify column ManagerName varchar(255);

-- 10.Write a query to update Designation to Software Engineer for EmpID '10196'

update hrdataset\_v14 set Designation="Software\_Engineer" where EmpID=10196;

-- 11. Write a query to find all the employees whose salary is >= 60,000

select \* from hrdataset\_v14 where Salary >= 60000;

-- 12.Write a query to find all the employees whose salary is between 60000 to 100000

select \* from hrdataset\_v14 where Salary between 60000 and 100000;

-- 13.Write a query to find all the employees who are 'Software\_Engineer' and Female

select \* from hrdataset\_v14 where Designation="Software\_Engineer" and Sex= "F";

-- 14.Write a query to find all the employees who are 'Production Technician I' and Female

select \* from hrdataset\_v14 where Designation="Production Technician I" and Sex= "F";

-- 15. Write a query to find a null coloumn

select \* from hrdataset\_v14 where Salary is null;

-- 16. Write a query to retrieve all the Employee names starting with A

select \* from hrdataset\_v14 where Employee\_Name like "A%";

-- 17.Write a query to retrieve all the Employees names starting with S and ending with A

select \* from hrdataset\_v14 where Employee\_Name like "S%A";

-- 18.Write a query to retrieve all the employee names having atleast 6 characters 1st and 4th character must be A and R respectively

select \* from hrdataset\_v14 where Employee\_Name like "A\_\_R\_\_%";

-- 19.Write a query to sort salary in ascending order

select Salary from hrdataset\_v14 order by Salary;

-- 20.Write a query to sort salary in descending order for only female employees

select Salary from hrdataset\_v14 where Sex = "F" order by Salary desc;

-- 21.Write a query to find all the unique values from the Department Coloumn

select distinct Designation from hrdataset\_v14 ;

-- 22.Write a query to access the first 200 records from the table

select \* from hrdataset\_v14 limit 0,200;

-- 23.Write a query to find the 10th highest salary

select Salary from hrdataset\_v14 order by Salary desc limit 9,1;

-- 24. Write a query to find the maximum salary from the table

select max(Salary) from hrdataset\_v14;

-- 25. Write a query to find the males & females from the table

select Sex, count(\*)from hrdataset\_v14 group by Sex;

-- 26.Write a query for maximum, minimum, avaerage, total salary for the employees

select max(Salary), min(Salary), avg(Salary), sum(Salary) from hrdataset\_v14;

-- 27.Write a query to find number of people whose salary is >100000 gender wise

select Sex, count(\*) from hrdataset\_v14 where Salary>100000 group by Sex order by Sex;

-- 28. Write a query for to show all the employee names and empid for those who are not 'Production Technician I'

select Employee\_Name,EmpID from hrdataset\_v14 where Designation <> 'Software\_Engineer';

-- 29.Write a query to find the sum of salary of the first 10 people from the table

select sum(Salary) from hrdataset\_v14 limit 0,10;

-- 30.Write a query to show the list of females whose salary is greater than average male salary

select \* from hrdataset\_v14 where Sex= "F" and Salary > (select avg(Salary) from hrdataset\_v14 where Sex= "M");

-- 31.Write a query to retrieve all the records from both the tables

select \* from hrdataset\_v14 as h full join MGRDATA as m;

-- 32.Write a query to retrieve common records from both the table

select \* from hrdataset\_v14 as h inner join MGRDATA as m on h.empid=m.empid;

-- 33.Write a query to retrieve common employee names from t1 and Date of hiring from t2

select h.Employee\_Name,m.Date\_of\_Hiring from hrdataset\_v14 as h inner join MGRDATA as m on h.empid=m.empid ;

-- 34.Write a query to retrieve employee names from t1 and Date of hiring from t2 for first 100 rows

select h.Employee\_Name,m.Date\_of\_Hiring from hrdataset\_v14 as h left join MGRDATA as m on h.empid=m.empid limit 0,100;

-- 35. Write a query for no. of employees whose salary is greater than 60000 from each department having no. of emp>2

select Department, count(\*) from hrdataset\_v14 as h right join MGRDATA as m on h.empid=m.empid where Salary>60000 group by Department having count(\*)>2;

-- 36.Write a query to retrieve all employees who are managers

select \* from hrdataset\_v14 as h join hrdataset\_v14 as h1 on h.empid=h1.ManagerID;

-- 37.Write a query to retrieve all the records from both the tables in which WHERE condition will be satisfied

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid=m.empid;

-- 38.Query for non-equi join

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid>m.empid;

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid<m.empid;

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid<=m.empid;

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid>=m.empid;

select \* from hrdataset\_v14 as h, MGRDATA as m where h.empid<>m.empid;

-- 39.Write a query for union

select Employee\_Name, Salary from hrdataset\_v14

Union

select Manager\_Name, Date\_of\_Hiring from MGRDATA;

-- 40.Write a query for full join

select \* from hrdataset\_v14 as h left join MGRDATA as m on h.empid=m.empid

Union

select \* from hrdataset\_v14 as h right join MGRDATA as m on h.empid=m.empid where Salary>60000;

-- 41.Write a query for union all

select Employee\_Name, Salary from hrdataset\_v14

union all

select Manager\_Name, Date\_of\_Hiring from MGRDATA;

-- 42. Write a query to create a new view

create view MyView as select Employee\_Name, Salary from hrdataset\_v14;

-- 43. Write a query to delete a view permanently

drop view MyView;