use AdventureWorks2022

select count(\*) from HumanResources.Employee where Gender='F';

-- 1. Find the employee having salaried flag as 1

select \* from HumanResources.Employee where SalariedFlag='1';

-- 2. Find all the employees havinf vaccation hours more than 70

select \* from HumanResources.Employee where VacationHours>'70';

-- 3. vacation hour more than 70 but less than 90

select \* from HumanResources.Employee where VacationHours>'70' and VacationHours <90;

-- 4. Find all jobs having title as designer

select \* from HumanResources.Employee where JobTitle like('%Designer%');

-- 5. total emp worked as technician

select \* from HumanResources.Employee where JobTitle like('%Technician%')

-- 6. nationl id no,jobtitle,marritial status ,gender for all under marketing job title

select NationalIDNumber,JobTitle,MaritalStatus,Gender from HumanResources.Employee where JobTitle like('%Marketing%')

--  7. find all unique maritl status

select distinct MaritalStatus from HumanResources.Employee

--  8. find the max vacaction hours

select max(VacationHours) from HumanResources.Employee

-- 9. find less sick leaves

select MIN(SickLeaveHours) from HumanResources.Employee

select \* from HumanResources.Department

select \* from HumanResources.EmployeeDepartmentHistory

-- 10.all emp from production dpt

select \* from HumanResources.Department where Name='Production'

select \* from HumanResources.Employee

where BusinessEntityID in

(select BusinessEntityID

from HumanResources.EmployeeDepartmentHistory

where DepartmentID=7)

-- 11. all dept under research and dev

select \* from HumanResources.Department

select \* from HumanResources.Department where GroupName='Research and Development'

select \* from HumanResources.Employee

-- 12. all emp under research and dev

select \* from HumanResources.Department where GroupName='Research and Development'

select count(\*) from HumanResources.Employee

where BusinessEntityID in

(select BusinessEntityID

from HumanResources.EmployeeDepartmentHistory

where DepartmentID in(

select DepartmentID

from HumanResources.Department

where GroupName='Research and Development'))

-- 13. find all employees who work in day shift

select count(\*) from HumanResources.Employee where BusinessEntityID

in(select BusinessEntityID from HumanResources.EmployeeDepartmentHistory where ShiftID

in(select ShiftID from HumanResources.Shift where Name='Day'))

-- 14. count of emp having payfreq is 1

select count(\*) from HumanResources.Employee where BusinessEntityID

in(select BusinessEntityID from HumanResources.EmployeePayHistory where PayFrequency=1)

-- 15. all jobID which are not placed

select \* from HumanResources.Employee where BusinessEntityID

in(select JobCandidateID from HumanResources.JobCandidate where BusinessEntityID IS NULL)

-- 16. address of employee

select \* from Person.Address

select \* from Person.BusinessEntityAddress

select \* from HumanResources.Employee

select \* from HumanResources.Department

select \* from Person.Person

select \* from HumanResources.EmployeeDepartmentHistory

select \* from Person.Address where AddressID

in(select AddressID from Person.BusinessEntityAddress where BusinessEntityID

in(select BusinessEntityID from HumanResources.Employee))

-- 17. find name of emp working in R&D

select FirstName from Person.Person where BusinessEntityID

in(select BusinessEntityID from HumanResources.EmployeeDepartmentHistory where DepartmentID

in(select DepartmentID from HumanResources.Department where GroupName='Research and development'))

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-- Corelated subquery

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select BusinessEntityID,NationalIDNumber,JobTitle,

(select firstname from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)fname

from HumanResources.Employee e

-- 1. add personal details of emp mname,lastname

select BusinessEntityID,NationalIDNumber,JobTitle,

(select firstname from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)fname,

(select MiddleName from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)mname,

(select LastName from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)lname

from HumanResources.Employee e

-- 2. Concat

select concat(FirstName,' ',MiddleName,' ',LastName)as Full\_Name from Person.Person

select BusinessEntityID,NationalIDNumber,JobTitle,

(select concat(firstname,MiddleName,LastName) from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)Full\_name

from HumanResources.Employee e

-- 3. word separater concat\_ws()

select BusinessEntityID,NationalIDNumber,JobTitle,

(select concat\_ws(' - ',firstname,MiddleName,LastName) from Person.Person p where p.BusinessEntityID=e.BusinessEntityID)Full\_name

from HumanResources.Employee e

-- 4. display  national\_id ,department name,department group

select(select  concat\_ws(' - ',FirstName,LastName) from Person.Person p where p.BusinessEntityID=ed.BusinessEntityID)Full\_Name,

(select NationalIDNumber from HumanResources.Employee e where e.BusinessEntityID=ed.BusinessEntityID) Nationl\_Id,

(select concat\_ws(' - ',Name,GroupName) from HumanResources.Department d where d.DepartmentID=ed.DepartmentID)Dept

 from HumanResources.EmployeeDepartmentHistory ed

select \* from HumanResources.EmployeeDepartmentHistory --be id, d id

select \* from HumanResources.Employee --beid  , nid

select \* from HumanResources.Department --department id   ,Name,groupname

-- 5. display first\_name,lastname,department,shift time

select \* from Person.Person

select \* from HumanResources.Department

select \* from HumanResources.Shift

select \* from HumanResources.EmployeeDepartmentHistory --be id, d id

select(select  concat\_ws(' - ',FirstName,LastName) from Person.Person p where p.BusinessEntityID=ed.BusinessEntityID)Full\_Name,

(select Name from HumanResources.Department d where d.DepartmentID=ed.DepartmentID) DeptName,

(select StartTime from HumanResources.Shift s where s.ShiftID=ed.ShiftID)shift\_time

 from HumanResources.EmployeeDepartmentHistory ed

--display product name and product review based on product schema

-- 6. find emp\_name,job title,credit card details,when it expire

select \* from Person.Person  -- BEID,Name

select \* from HumanResources.Employee  --job titke,BEID

select \* from Sales.CreditCard   -- CreditID,Exp

select \* from Sales.PersonCreditCard  -- BEID , CreditID

select

(select concat\_ws(' ',FirstName,LastName) from Person.Person p where p.BusinessEntityID=pc.BusinessEntityID)Full\_Name,

(select JobTitle from HumanResources.Employee e where e.BusinessEntityID=pc.BusinessEntityID)JobTitle,

(select  concat\_ws(' - ',ExpMonth,ExpYear)from Sales.CreditCard cc where cc.CreditCardID=pc.CreditCardID)credit\_details

from Sales.PersonCreditCard pc

-- 7. disp records from currency rate from usd to aud

select \* from Sales.CurrencyRate

select \* from Sales.Currency

select \* from Sales.CurrencyRate where FromCurrencyCode='USD' and ToCurrencyCode='AUD'

-- 8. disp emp name,teritory name,group,sales last yr,sales quota,bonus

select \* from Sales.SalesPerson  -- ttID,BEID,  Bonus,quota

select \* from Sales.SalesTerritory -- ttID,name,group,sales LY

select \* from Person.Person-- BEID,  fname

select

(select concat(FirstName,'',LastName) from Person.Person p where p.BusinessEntityID=sp.BusinessEntityID)FullName,

(select Name from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)TerritoryName,

(select [Group] from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)GroupName,

(select SalesLastYear from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)SalesLY,

SalesQuota,Bonus

from Sales.SalesPerson sp

-- 9. disp emp name,teritory name,group,sales last yr,sales quota,bonus from germany and UK

select

(select concat(FirstName,'',LastName) from Person.Person p where p.BusinessEntityID=sp.BusinessEntityID)FullName,

(select Name from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)TerritoryName,

(select [Group] from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)GroupName,

(select SalesLastYear from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)SalesLY,

SalesQuota,Bonus

from Sales.SalesPerson sp

where sp.TerritoryID in(select TerritoryID from Sales.SalesTerritory st where Name in ('United kingdom','Germany'))

-- 10. find all emp who worked in all North america continent

select

(select concat(FirstName,'',LastName) from Person.Person p where p.BusinessEntityID=sp.BusinessEntityID)FullName,

(select [Group] from Sales.SalesTerritory st where st.TerritoryID=sp.TerritoryID)GroupName

from Sales.SalesPerson sp

where sp.TerritoryID in(select TerritoryID from Sales.SalesTerritory st where [Group]='North America')

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