**SQL Assignment 1**

use AdventureWorks2022

select \* from HumanResources.Employee where MaritalStatus='M';

---Find all employee under job title as marketing

select \* from HumanResources.Employee where JobTitle like '%Marketing%'

-------Find the Technician----------

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

select \* from HumanResources.Employee where JobTitle like '%Engineer%' and MaritalStatus='M'

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select count (\*) from HumanResources.Employee where MaritalStatus='M';

select count (\*) from HumanResources.Employee

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

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

select count (\*) from HumanResources.Employee where MaritalStatus='M' and Gender='M';

---------Find employee having salraied flag as 1-----------

select count (\*) from HumanResources.Employee where SalariedFlag=1;

-------------find all employee having vacation hr more than 70-------

select count (\*) from HumanResources.Employee where VacationHours>70;

-----------find emplyee done vacation hr more than 70 less than 90

select count (\*) from HumanResources.Employee where VacationHours>70 and VacationHours<90;

select count (\*) from HumanResources.Employee where VacationHours between 70 and 90;

---------------Find all jobs having title as designer

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

---------------find total employee worked as technician------

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

-----------------Display data having NationalIDNumber,jbtitle, matital staus,gender for all under marketing

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

-----------Unique Values----------

select distinct MaritalStatus from HumanResources.Employee

------------------Find person having max vacations hrs------

Select max(VacationHours) from HumanResources.Employee

Select min(VacationHours) from HumanResources.Employee

----------------find less sick leave-----------

Select min(SickLeaveHours) from HumanResources.Employee

Select max(SickLeaveHours) from HumanResources.Employee

select \* from HumanResources.Department

------------find all emp from production dept

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

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

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

select \* from HumanResources.Employee where BusinessEntityID

in

( select BusinessEntityID from HumanResources.EmployeeDepartmentHistory where DepartmentID

in

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

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

select \* from HumanResources.EmployeeDepartmentHistory where DepartmentID=7

------Subquery from where------------------

--find all employee 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'))

---- pay frequency should be 1---

select count(\*) from HumanResources.Employee where BusinessEntityId in

(select BusinessEntityId from HumanResources.EmployeePayHistory where PayFrequency='1')

----find all job ids which are not placed -----

select \* from HumanResources.JobCandidate a where a.JobCandidateID not in

(select JobCandidateID from HumanResources.JobCandidate b where BusinessEntityID

in (select BusinessEntityID from HumanResources.Employee))

select count(\*) from HumanResources.Employee where BusinessEntityId not in(select JobCandidateID from HumanResources.JobCandidate)

----find the address of employee---

select \* from Person.Address where AddressID in(

select AddressID from Person.BusinessEntityAddress where BusinessEntityID in(

select BusinessEntityID from HumanResources.Employee))

select count(\*) from Person.Address where AddressID in(

select AddressID from Person.BusinessEntityAddress where BusinessEntityID in(

select BusinessEntityID from HumanResources.Employee))

---Find the name for employee working in gruop research and dev

Select FirstName,LastName from Person.Person

where BusinessEntityID in

(select BusinessEntityID from HumanResources.EmployeeDepartmentHistory

where DepartmentID in

(select DepartmentID from HumanResources.Department

where GroupName='Research and Development'))