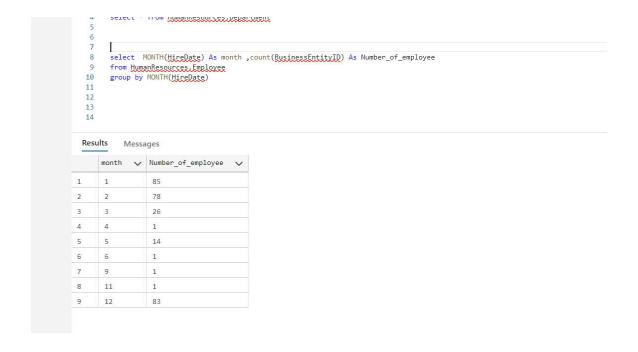
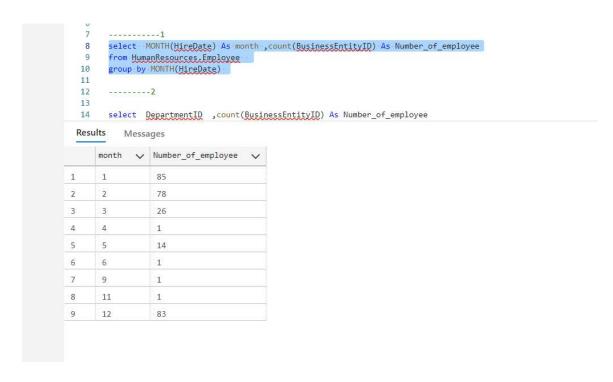
QUESTION 1:

select MONTH(HireDate) As month ,count(BusinessEntityID) As Number_of_employee from HumanResources.Employee

group by MONTH(HireDate)





QUESTION:2

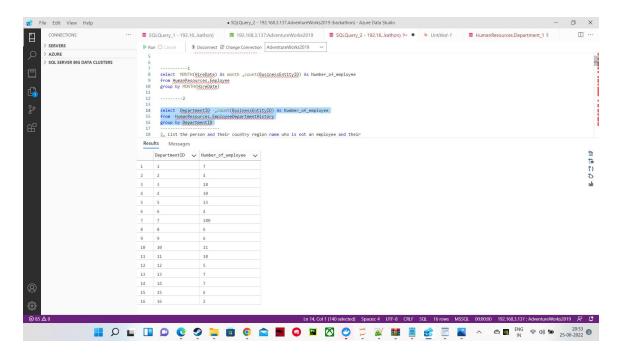
select DepartmentID ,count(BusinessEntityID) As Number_of_employee from HumanResources.EmployeeDepartmentHistory group by DepartmentID

```
from HumanResources Employee
group by MONTH(HireDate)

11
12 -----2
13
14 select DepartmentID , count(BusinessEntityID) As Number_of_employee
15 from HumanResources.EmployeeDepartmentHistory
16 group by DepartmentID
17
18 3. List the person and their country region name who is not an employee and their
```

Results Messages

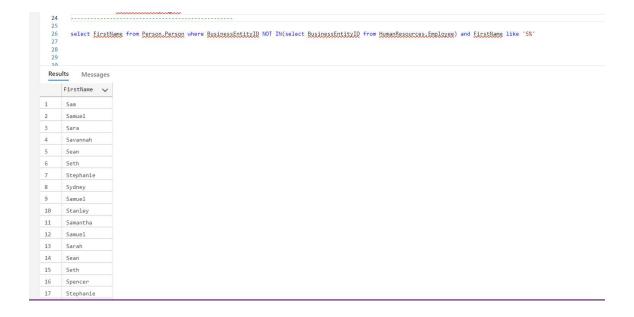
	DepartmentID 🗸	Number_of_employee 🗸
1	1	7
2	2	4
3	3	18
4	4	10
5	5	13
6	6	4
7	7	180
8	8	6
9	9	6
10	10	11
11	11	10
12	12	5
13	13	7
14	14	7
15	15	6
16	16	2

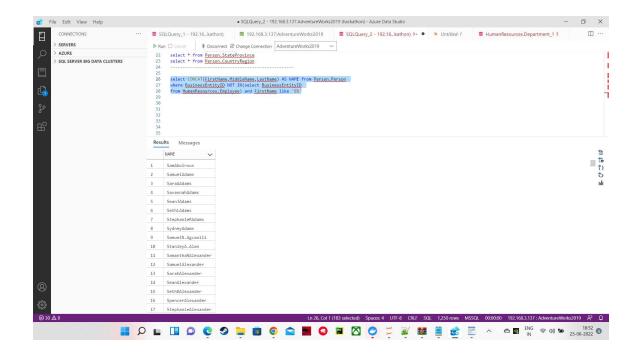


......

QUESTION 3:

select CONCAT(FirstName, MiddleName, LastName) AS NAME from Person. Person where BusinessEntityID NOT IN(select BusinessEntityID from HumanResources. Employee) and FirstName like 'S%'





.....

Question 4:

select CONCAT(A.FirstName, A.MiddleName, A.LastName), B.JobTitle, B.OrganizationLevel,

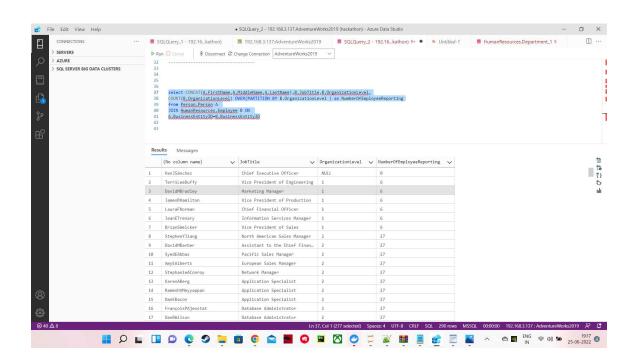
 ${\tt COUNT(B.OrganizationLevel)\ OVER(PARTITION\ BY\ B.OrganizationLevel\)\ as\ Number Of Employee Reporting}$

from Person.Person A

JOIN HumanResources. Employee B ON

A.BusinessEntityID=B.BusinessEntityID

38 39 40 41 42 43	COUNT(B.OrganizationLevel) O from Person Person A JOIN HumanNesources Employee A.BusinessEntityID-B.Busines			reeReporting
Res	(No column name)	JobTitle 🗸	OrganizationLevel 🗸	NumberOfEmployeeReporting ~
1	KenJSánchez	Chief Executive Officer	NULL	0
2	TerriLeeDuffy	Vice President of Engineering	1	6
3	DavidMBradley	Marketing Manager	1	6
4	JamesRHamilton	Vice President of Production	1	6
5	LauraFNorman	Chief Financial Officer	1	6
6	JeanETrenary	Information Services Manager	1	6
7	BrianSWelcker	Vice President of Sales	1	6
8	StephenYJiang	North American Sales Manager	2	27
9	DavidMBarber	Assistant to the Chief Finan	2	27
10	SyedEAbbas	Pacific Sales Manager	2	27
11	AmyEAlberts	European Sales Manager	2	27
12	StephanieAConroy	Network Manager	2	27
13	KarenABerg	Application Specialist	2	27
14	RameshVMeyyappan	Application Specialist	2	27
15	DanKBacon	Application Specialist	2	27
16	FrançoisPAjenstat	Database Administrator	2	27
16 17	FrançoisPAjenstat DanBWilson	Database Administrator Database Administrator	2	27



QUESTION 5:

select A.productid, A.Name, SUM (B.Actual Cost)

OVER(PARTITION BY B.transactionDate) AS CUMMULATIVE_SUM ,SUM(B.quantity) OVER(PARTITION BY B.transactionDate) AS COMMULATIVE_QUANTITY

from Production.Product A

join Production.TransactionHistory B

on A.Productid=B.Productid

```
select A productid, A Name, SUM(B ActualCost)

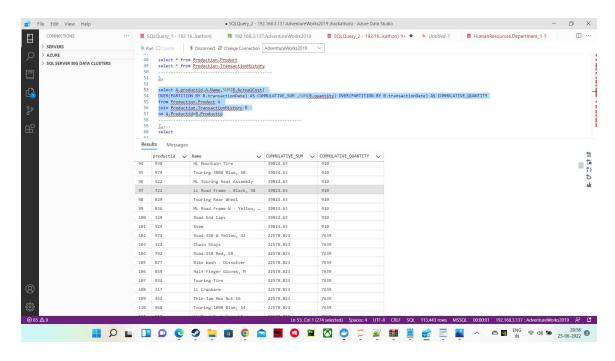
OVER(PARTITION BY B.transactionDate) AS CUMMULATIVE_SUM , SUM(B.quantity) OVER(PARTITION BY B.transactionDate) AS COMMULATIVE_QUANTITY

from Production_Product A

join Production_TransactionHistory B

on A Productid=B.Productid
```

	productid 🗸	Name	CUMMULATIVE_SUM 🗸	COMMULATIVE_QUANTITY V
14	826	LL Road Rear Wheel	22578.823	7639
15	890	HL Touring Frame - Blue, 46	22578.823	7639
16	876	Hitch Rack - 4-Bike	22578.823	7639
7	875	Racing Socks, L	22578.823	7639
18	975	Road-350-W Yellow, 44	22578.823	7639
19	876	Hitch Rack - 4-Bike	22578.823	7639
.00	318	ML Crankarm	22578.823	7639
.01	997	Road-750 Black, 44	22578.823	7639
.02	747	HL Mountain Frame - Black, 38	22578.823	7639
.03	811	LL Road Handlebars	22578.823	7639
.04	342	Flat Washer 6	23362.4635	12925
.05	959	Touring-3000 Blue, 58	23362.4635	12925
.06	977	Road-750 Black, 58	23362.4635	12925
.07	742	HL Mountain Frame - Silver,	23362.4635	12925
.08	810	HL Mountain Handlebars	23362.4635	12925
.09	824	ML Mountain Rear Wheel	23362.4635	12925
.10	827	ML Road Rear Wheel	23362.4635	12925



Question 9:

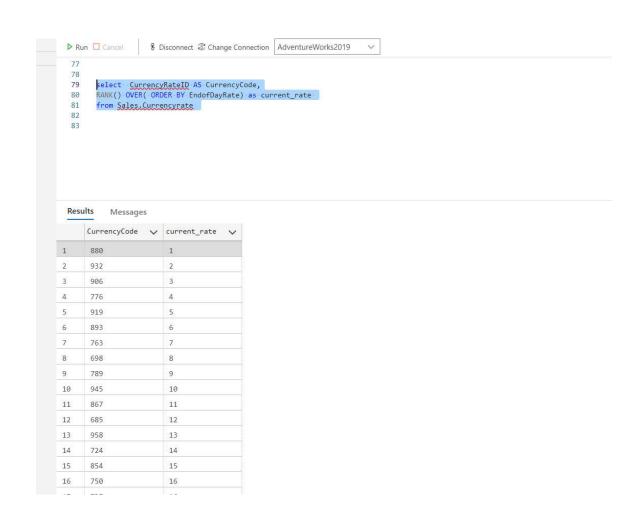
QUESTION:9

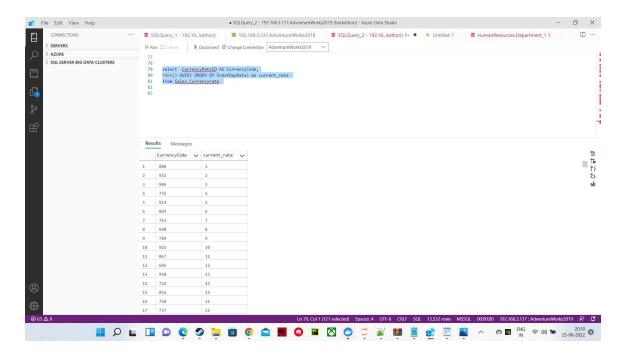
query:

select CurrencyRateID AS CurrencyCode,

RANK() OVER(ORDER BY EndofDayRate) as current_rate

from Sales.Currencyrate





QUESTION 6:

Select SalesOrderHeader.TerritoryID,Store.Name As Store_Name,MONTH(SalesOrderHeader.OrderDate) as Month,SalesOrderHeader.CustomerID, MAX(SalesOrderHeader.TotalDue)

OVER(PARTITION BY SalesOrderHeader.TerritoryID) AS MAX_Transaction

FROM Sales.SalesOrderHeader As SalesOrderHeader

INNER JOIN Sales.SalesPerson As SalesPerson

On SalesPerson.TerritoryID=SalesOrderHeader.TerritoryID

INNER JOIN Sales. Customer As Customer

On Customer.CustomerID=SalesOrderHeader.CustomerID

INNER JOIN Sales. Store as Store

On Store.BusinessEntityID=Customer.StoreID

INNER JOIN Sales. Sales Territory As Sales Territory

ON SalesTerritory.TerritoryID=SalesOrderHeader.TerritoryID

