PUNITH B C

1.SELECT CASE  
    WHEN MONTH(HireDate) = 1 THEN 'JANUARY'  
    WHEN MONTH(HireDate) = 2 THEN 'FEBRUARY'  
    WHEN MONTH(HireDate) = 3 THEN 'MARCH'  
    WHEN MONTH(HireDate) = 4 THEN 'APRIL'  
    WHEN MONTH(HireDate) = 5 THEN 'MAY'  
    WHEN MONTH(HireDate) = 6 THEN 'JUNE'  
    WHEN MONTH(HireDate) = 7 THEN 'JULY'  
    WHEN MONTH(HireDate) = 8 THEN 'AUGEST'  
    WHEN MONTH(HireDate) = 9 THEN 'SEPTEMBER'  
    WHEN MONTH(HireDate) = 10 THEN 'OCTOBER'  
    WHEN MONTH(HireDate) = 11 THEN 'NOVEMBER'  
    WHEN MONTH(HireDate) = 12 THEN 'DECEMBER'  
END MONTH\_NAME, COUNT(BusinessEntityID) AS EMPLOYEE\_COUNT FROM HumanResources.Employee GROUP BY MONTH(HireDate);

Graphical user interface, text, application

Description automatically generated

2.

SELECT (SELECT Name from HumanResources.Department DD WHERE DD.DepartmentID = D.DepartmentID) AS DEPARTMENT,

       YEAR(DH.StartDate) AS YEAR,

        COUNT(DH.BusinessEntityID) AS EMPLOYEE\_HIRED

    FROM HumanResources.Department D, HumanResources.EmployeeDepartmentHistory DH WHERE D.DepartmentID = DH.DepartmentID

    GROUP BY D.DepartmentID, YEAR(DH.StartDate);

Graphical user interface, application, Excel

Description automatically generated

3.

SELECT DISTINCT CONCAT(P.FirstName, ' ', P.LastName) AS NAME,  
       C.Name AS COUNTRY\_NAME FROM Person.Person P,  
       Person.CountryRegion C WHERE P.BusinessEntityID NOT IN (SELECT BusinessEntityID FROM HumanResources.Employee) AND P.FirstName LIKE 'S%';

Graphical user interface, text, application, email

Description automatically generated

5.

select p.ProductID,p.Name,sum(t.ActualCost) as cumulutive\_cost,count(\*) as cumulative\_quantity,t.TransactionDate from Production.TransactionHistory t

inner join Production.Product p ON

p.ProductID = t.ProductID

group by t.TransactionDate,t.ActualCost,p.name,p.ProductID

Graphical user interface, text

Description automatically generated

9.

select  rank() over(order by cr.EndOfDayRate) as 'rank' from sales.Currency c

inner join sales.CurrencyRate cr on

cr.ToCurrencyCode = c.CurrencyCode

inner join sales.CountryRegionCurrency crc

on crc.CurrencyCode = c.CurrencyCode;

Graphical user interface, text, application

Description automatically generated

10.

select \* from

(select pp.ProductID ,sod.SalesOrderID,cc.expmonth case when lag(cc.ExpMonth) over(order by cc.expmonth) = cc.ExpMonth then 'yes'

else 'no'

end as "details"

  from sales.SalesOrderHeader soh

inner join production.Product pp

on pp.ProductID = soh.ShipToAddressID

inner join sales.SalesOrderDetail sod

on soh.SalesOrderID = sod.SalesOrderID

inner join sales.CreditCard cc on

cc.CreditCardID = soh.CreditCardID) new

where new.details = 'yes

Graphical user interface, application

Description automatically generated