-- TASK 3 **ROUGH WORK[DOUBLE CHECK FOR ERRORS]** - **work [ REMOVE UOP.DBO. AND THE $ SIGN AND THEN EXECUTE THE QUERIES.]** for example the query

**SELECT \* FROM uop.dbo.FactSales$;**

Should be typed as

**SELECT \* FROM FactSales;**

--TASK 3--DATES

SELECT GETDATE();

Select Year(EmployeeDOB) from UOP.DBO.DimEmployee$;

Select Month(EmployeeDOB) from UOP.DBO.DimEmployee$;

Select Day(EmployeeDOB) from UOP.DBO.DimEmployee$;

--

SELECT \* FROM uop.dbo.FactSales$;

-- QN HAS PROMOTIONID IS NOT NULL

Select DATEADD(YEAR,1, FullDateTime) from uop.dbo.FactSales$ where PromotionID IS NULL;

SELECT COUNT(\*)

FROM uop.dbo.FactSales$

WHERE PromotionID IS NOT NULL;

select\* from uop.dbo.FactSales$;

--

Select Datediff(Year, EmployeeDOB, GETDATE()) from uop.dbo.DimEmployee$;

--

Select \* from uop.dbo.DimEmployee$ Where ((DATEDIFF(DAY, EmployeeDOB, GETDATE()) / 365.25) > 25);

--

SELECT \*, (DATEDIFF(DAY, EmployeeDOB, GETDATE()) / 365.25) AS AGEDAY

FROM uop.dbo.DimEmployee$

WHERE (DATEDIFF(DAY, EmployeeDOB, GETDATE()) / 365.25) > 25;

select\* from uop.dbo.DimEmployee$;

--1. List all the names and ages of non-active employees

Select EmployeeFirstName, EmployeeLastName, EmployeeDOB, EmployeeActive, (DATEDIFF(DAY, EmployeeDOB, GETDATE()) / 365.25) as age1, Datediff(Year, EmployeeDOB, GETDATE()) as age2

From uop.dbo.DimEmployee$

where EmployeeActive = 'No';

--

Select EmployeeFirstName, EmployeeLastName, EmployeeDOB, EmployeeActive, (DATEDIFF(DAY, EmployeeDOB, GETDATE()) / 365.25) as age1, Datediff(Year, EmployeeDOB, GETDATE()) as age2

From uop.dbo.DimEmployee$

where EmployeeActive = 'Yes';

--2. List all the sales with(out) a promotion from the year 2020.

SELECT SalesAmount, ProductCode, FullDateTime

FROM uop.dbo.FactSales$

WHERE PromotionID IS NULL

AND YEAR(FullDateTime) = 2020;

--3. List all the sales without a promotion between September 2019 and November 2019 that happened on mid day.

SELECT \* FROM uop.dbo.FactSales$

WHERE PromotionID IS NULL AND

year(FullDateTime) = 2019

AND MONTH(FullDateTime) BETWEEN 09 AND 11

and DATEPART(HOUR, [FullDateTime]) = 12 ;

select\* from uop.dbo.FactSales$ where PromotionID is not null;

--4. List all the sales without a promotion from the year 2020 that their quantities are less than 20 if they happened on a Monday.

select FullDateTime, Quantity, SalesAmount

from uop.dbo.FactSales$

where Quantity < 20 and PromotionID IS NULL

and DATENAME(weekday, FullDateTime) = 'Monday'

and year(uop.dbo.FactSales$.FullDateTime) =2020;

Select \* From uop.dbo.DimEmployee$

where EmployeeActive = 'Yes'