--Task 5 **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;**

--Run the following query: What does it do?

SELECT

EmployeeDOB, EmployeeFirstName, EmployeeLastName,

CASE

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000321' AS DATETIME) AND CAST('19000419' AS DATETIME) THEN 'Ares'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000420' AS DATETIME) AND CAST('19000520' AS DATETIME) THEN 'Taurus'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000521' AS DATETIME) AND CAST('19000620' AS DATETIME) THEN 'Gemini'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000621' AS DATETIME) AND CAST('19000722' AS DATETIME) THEN 'Cancer'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000723' AS DATETIME) AND CAST('19000822' AS DATETIME) THEN 'Leo'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000823' AS DATETIME) AND CAST('19000922' AS DATETIME) THEN 'Virgo'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000923' AS DATETIME) AND CAST('19001022' AS DATETIME) THEN 'Libra'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19001023' AS DATETIME) AND CAST('19001121' AS DATETIME) THEN 'Scorpio'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19001122' AS DATETIME) AND CAST('19001221' AS DATETIME) THEN 'Sagittarius'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19010101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19001222' AS DATETIME) AND CAST('19010119' AS DATETIME) THEN 'Capricorn'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000120' AS DATETIME) AND CAST('19000219' AS DATETIME) THEN 'Aquarius'

WHEN DATEADD(YEAR,-DATEDIFF(YEAR,'19000101',EmployeeDOB),EmployeeDOB) BETWEEN CAST('19000220' AS DATETIME) AND CAST('19000320' AS DATETIME) THEN 'Pisces'

END

FROM uop.dbo.DimEmployee$ Where EmployeeLastName Like 'B%' or EmployeeLastName Like 'C%';

--For the above query This SQL query is designed to retrieve employees from the DimEmployee table whose last names start with either the letter 'B' or 'C', and then it calculates and assigns a zodiac sign based on their date of birth (EmployeeDOB).

QUERY 1

-- Create a case statement that returns a list of all the bakery’s products and their range, as well as the word “sweet” if the product is sweet and “savoury” if the product is savoury.

--

select distinct ProductType from uop.dbo.DimProduct$;

-- Above query returns 14 product types.

--query 1

SELECT

uop.dbo.DimProduct$.ProductName, uop.dbo.DimProduct$.ProductType,

CASE

WHEN productType in ('Croissant', 'Danish', 'Filled','Iced','Pancake','Sweet Bagel','Sweet pie','Tart') THEN 'Sweet'

WHEN productType in ('Bread', 'Bun','Flatbread','Loaf','Savoury Bagel','Savoury pie') THEN 'Savoury'

END

FROM uop.dbo.DimProduct$