**SYEDA FATIMA SHAH**

**30th March 2023**

***Task # 7:***

**Practice following:**

**1 - Conditional Control Statements:**

**• Case**

SELECT p.ProductName, p.UnitPrice,

CASE

WHEN UnitPrice > 40 THEN 'Expensive'

WHEN UnitPrice < 40 THEN 'Cheap'

ELSE 'Neither Cheap Nor Exp'

END AS ProductCost

FROM Products p;

SELECT

OrderID,

CustomerID,

CASE

WHEN freight < 50 THEN 'Low'

WHEN freight BETWEEN 50 AND 100 THEN 'Medium'

ELSE 'High'

END AS freight\_category

FROM

Orders;

SELECT od.OrderID, od.Quantity,

CASE

WHEN od.Quantity >= 50 THEN 'Large Order'

WHEN od.Quantity >= 35 THEN 'Medium Order'

ELSE 'Small Order'

END AS OrderSize

FROM [Order Details] od

**• If**

DECLARE @quantity INT = 10

IF @quantity > 0

SELECT 'There are still products in stock'

ELSE

SELECT 'Out of stock'

**Link:** [**https://youtu.be/lhiat\_WomhU**](https://youtu.be/lhiat_WomhU)

**Write the following queries using Northwind DB:**

**1 - Write a query to retrieve the product name, unit price, and discount for all orders in the "Order Details" table and apply a discount of 10% if the unit price is greater than or equal to 50.**

SELECT \* FROM [Order Details]

SELECT p.ProductName,od.UnitPrice,od.Discount,

CASE

WHEN od.UnitPrice>=50 THEN od.UnitPrice/100\*10

ELSE od.UnitPrice

END AS DiscountedPrice

FROM [Order Details] od inner join Products p ON od.ProductID=p.ProductID

**2 - Write a query to retrieve the product name, unit price, and supplier name for all products in the "Products" table, and apply a case statement to display "Not available" if the supplier name is null.**

SELECT p.ProductName, p.UnitPrice,

CASE

WHEN Sn.CompanyName IS NULL THEN 'Not available'

ELSE Sn.CompanyName

END AS SupplierName

FROM Products p

LEFT JOIN Suppliers Sn ON p.SupplierID = Sn.SupplierID;