**Table-Valued Function**

If you want to calculate loyalty points for a group of customers and return a table, you can use a table-valued function.

CREATE FUNCTION GetLoyaltyPoints(@MinPurchaseAmount DECIMAL(10, 2))

RETURNS @CustomerPoints TABLE

(

CustomerID INT,

PurchaseAmount DECIMAL(10, 2),

LoyaltyPoints INT

)

AS

BEGIN

INSERT INTO @CustomerPoints

SELECT

CustomerID,

PurchaseAmount,

dbo.CalculateLoyaltyPoints(PurchaseAmount) AS LoyaltyPoints

FROM

Orders

WHERE

PurchaseAmount >= @MinPurchaseAmount;

RETURN;

END;

**Query**

SELECT \*

FROM dbo.GetLoyaltyPoints(100);

**Final Output**

| **CustomerID** | **PurchaseAmount** | **LoyaltyPoints** |
| --- | --- | --- |
| 101 | 120.00 | 12 |
| 102 | 540.00 | 59 |
| 101 | 600.00 | 66 |
| 104 | 480.00 | 48 |