**TRAINEE NAME – AAYUSH KHANNA**

**TRAINEE TECHNOLOGY – SQL**

**JOINING DATE – 30 JUNE 2021**

**Question:- Create a function that takes as inputs a SalesOrderID, a Currency Code, and a date, and returns a table of all the SalesOrderDetail rows for that Sales Order including Quantity, ProductID, UnitPrice, and the unit price converted to the target currency based on the end of day rate for the date provided. Exchange rates can be found in the Sales.CurrencyRate table. ( Use AdventureWorks)**

**Query :-**

use AdventureWorks2008R2;

CREATE or ALTER function FunctionGetDetails(@PSaleOrderID int, @PCurrencyCode nchar(20), @PDate date)

returns table

as

return(

SELECT SSOD.OrderQty,SSOD.ProductID,SSOD.UnitPrice, SSOD.UnitPrice \* (

SELECT EndOfDayRate

FROM sales.CurrencyRate

WHERE ToCurrencyCode = @PCurrencyCode and CurrencyRateDate = @PDate

)

AS RequiredUnitPrice

FROM Sales.SalesOrderDetail AS SSOD

WHERE SSOD.SalesOrderID = @PSaleOrderID

);

SELECT \*

FROM

FunctionGetDetails(43659,'ARS','2006-7-11');