**TRAINEE NAME – AAYUSH KHANNA**

**TRAINEE TECHNOLOGY – SQL**

**JOINING DATE – 30 JUNE 2021**

**Question:- Write a trigger for the Product table to ensure the list price can never be raised more than 15 Percent in a single change. Modify the above trigger to execute its check code only if the ListPrice column is updated (Use AdventureWorks Database).**

**Query :-** CREATE TRIGGER [Production].[TriggerLimitPriceChanges]

ON [Production].[Product]

FOR UPDATE

AS

IF EXISTS (

SELECT \* FROM inserted IP

JOIN deleted DP

ON IP.ProductID = DP.ProductID

WHERE IP.ListPrice > (DP.ListPrice \* 1.15)

)

BEGIN

RAISERROR('Price increase may not be greater than 15 percent.

Transaction Failed.',16,1)

ROLLBACK TRAN

END

GO

ALTER TRIGGER [Production].[trgLimitPriceChanges]

ON [Production].[Product]

FOR UPDATE

AS

IF UPDATE(ListPrice)

BEGIN

IF EXISTS

(

SELECT \*

FROM inserted IP

JOIN deleted DP

ON IP.ProductID = DP.ProductID

WHERE IP.ListPrice > (DP.ListPrice \* 1.15)

)

BEGIN RAISERROR('Price increase may not be greater than 15 percent Transaction Failed.',16,1)

ROLLBACK TRAN

END

END

GO