

Trigger

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Insert trigger

```
CREATE OR ALTER TRIGGER insertOrderDetails ON OrderDetails FOR INSERT
AS
-- Declare variabelen om de ingevoegde waarden op te slaan
DECLARE @insertedProductID INT = (SELECT ProductID FROM inserted)
DECLARE @insertedUnitPrice Money = (SELECT UnitPrice FROM inserted)
DECLARE @unitPriceFromProducts Money = (SELECT UnitPrice FROM Products WHERE
ProductID = @insertedProductID)

IF @insertedUnitPrice NOT BETWEEN @unitPriceFromProducts * 0.85 AND
@unitPriceFromProducts * 1.15
BEGIN
    ROLLBACK TRANSACTION
    RAISERROR ('The inserted unit price can''t be correct', 14, 1)
END
```

Update trigger

```
CREATE OR ALTER TRIGGER updateOrderDetails ON OrderDetails FOR update
AS
DECLARE @updatedProductID INT = (SELECT ProductID FROM inserted)
DECLARE @updatedUnitPrice MONEY = (SELECT UnitPrice FROM inserted)
DECLARE @unitPriceFromProducts MONEY = (SELECT UnitPrice FROM Products WHERE
ProductID = @updatedProductID)

IF @updatedUnitPrice NOT BETWEEN @unitPriceFromProducts * 0.85 AND
@unitPriceFromProducts * 1.15
BEGIN
    ROLLBACK TRANSACTION
    RAISERROR ('The updated unit price can''t be correct', 14, 1)
END
```

Update if

```
CREATE OR ALTER TRIGGER updateOrderDetails ON OrderDetails FOR update
AS
-- Controleer of de kolom UnitPrice is bijgewerkt
IF UPDATE(unitPrice)
BEGIN
    DECLARE @updatedProductID INT = (SELECT ProductID FROM inserted)
    DECLARE @updatedUnitPrice MONEY = (SELECT UnitPrice FROM inserted)
    DECLARE @unitPriceFromProducts MONEY = (SELECT UnitPrice FROM Products WHERE
    ProductID = @updatedProductID)

    IF @updatedUnitPrice NOT BETWEEN @unitPriceFromProducts * 0.85 AND
    @unitPriceFromProducts * 1.15
    BEGIN
        ROLLBACK TRANSACTION
        RAISERROR ('The updated unit price can''t be correct', 14, 1)
    END
END

-- Controleer of de kolom Discount is bijgewerkt
IF UPDATE(Discount)
BEGIN
    DECLARE @updatedDiscount REAL = (SELECT Discount FROM inserted)

    -- Controleer of de korting tussen 0 en 0.25 ligt
    IF @updatedDiscount NOT BETWEEN 0 AND 0.25
    BEGIN
        ROLLBACK TRANSACTION
        RAISERROR ('The updated discount can''t be correct', 14, 1)
    END
END
```

Insert en Update trigger

```
CREATE OR ALTER TRIGGER updateOrInsertOrderDetails ON OrderDetails FOR update,
insert
AS
    DECLARE @updatedProductID INT = (SELECT ProductID FROM inserted)
    DECLARE @updatedUnitPrice MONEY = (SELECT UnitPrice FROM inserted)
    DECLARE @unitPriceFromProducts MONEY = (SELECT UnitPrice FROM Products WHERE
    ProductID = @updatedProductID)

    IF @updatedUnitPrice NOT BETWEEN @unitPriceFromProducts * 0.85 AND
    @unitPriceFromProducts * 1.15
    BEGIN
        ROLLBACK TRANSACTION
        RAISERROR ('The unit price can''t be correct', 14, 1)
    END
```