**CREATING COMPUTED COLUMNS**

**1) Count of number of ticket sales for each type of ticket - digital and physical tickets**

**CREATE FUNCTION TicketTypeSale(@PK INT)**

**RETURNS NUMERIC(20,0)**

**AS**

**BEGIN**

**DECLARE @RET NUMERIC(14, 2) = (SELECT SUM(Purchase\_count)**

**FROM tblTICKET T**

**JOIN TBLTICKET\_TYPE TT ON T.Ticket\_type\_ID = TT.Ticket\_type\_ID**

**WHERE TT.Ticket\_type\_ID = @PK**

**GROUP BY TT.Ticket\_type\_ID)**

**RETURN @RET**

**END**

**GO**

**ALTER TABLE TBLTICKET\_TYPE**

**ADD TotalSale AS (dbo.TicketTypeSale(Ticket\_type\_ID))**

**GO**

**2) Number of times the customer has completed the transactions (not just number of tickets)**

**CREATE FUNCTION TotalTicketPurchaseInstance(@PK INT)**

**RETURNS NUMERIC(14, 2)**

**AS**

**BEGIN**

**DECLARE @RET NUMERIC(14, 2) = (SELECT COUNT(TICKET\_ID)**

**FROM tblTICKET T**

**JOIN tblCUSTOMER C ON T.Customer\_ID = C.Customer\_ID**

**WHERE C.Customer\_ID = @PK**

**GROUP BY C.Customer\_ID)**

**RETURN @RET**

**END**

**GO**

**ALTER TABLE tblCUSTOMER**

**ADD CountofPurchaseInstance AS (dbo.TotalTicketPurchaseInstance(Customer\_ID))**

**GO**