



SOFTWARE ENGINEER

Doolar Miteshsingh

a.doolar1404@gmail.com

1. CREATE TABLE XXBCM_ORDER_MGT

```
(
    ORDER_REF                VARCHAR(2000),
    ORDER_DATE                VARCHAR(2000),
    SUPPLIER_NAME             VARCHAR(2000),
    SUPP_CONTACT_NAME         VARCHAR(2000),
    SUPP_ADDRESS              VARCHAR(2000),
    SUPP_CONTACT_NUMBER       VARCHAR(2000),
    SUPP_EMAIL                VARCHAR(2000),
    ORDER_TOTAL_AMOUNT        VARCHAR(2000),
    ORDER_DESCRIPTION         VARCHAR(2000),
    ORDER_STATUS              VARCHAR(2000),
    ORDER_LINE_AMOUNT         VARCHAR(2000),
    INVOICE_REFERENCE         VARCHAR(2000),
    INVOICE_DATE              VARCHAR(2000),
    INVOICE_STATUS            VARCHAR(2000),
    INVOICE_HOLD_REASON       VARCHAR(2000),
    INVOICE_AMOUNT            VARCHAR(2000),
    INVOICE_DESCRIPTION        VARCHAR(2000)
);
```

2.

```
CREATE TABLE [dbo].[Supplier] (
    [SUPPLIER_Id]            INT                IDENTITY (1, 1) NOT NULL,
    [SUPPLIER_NAME]          VARCHAR (2000) NULL,
    [SUPP_CONTACT_NAME]      VARCHAR (2000) NULL,
    [SUPP_ADDRESS]           VARCHAR (2000) NULL,
    [SUPP_CONTACT_NUMBER]    VARCHAR (2000) NULL,
    [SUPP_EMAIL]             VARCHAR (2000) NULL,
    CONSTRAINT [PK_Supplier] PRIMARY KEY CLUSTERED ([SUPPLIER_Id] ASC),
    CONSTRAINT [AK_Supplier_Column] UNIQUE NONCLUSTERED ([SUPP_EMAIL] ASC)
);
```

```
CREATE TABLE [dbo].[OrderList] (
    [Order_Id]                INT                IDENTITY (1, 1) NOT NULL,
    [ORDER_REF]               VARCHAR (2000) NULL,
    [ORDER_DATE]              DATE                NULL,
    [ORDER_TOTAL_AMOUNT]      NUMERIC (18)        NULL,
    [ORDER_DESCRIPTION]       VARCHAR (2000) NULL,
    [ORDER_STATUS]            VARCHAR (2000) NULL,
    [SUPP_EMAIL]              VARCHAR (2000) NULL,
    CONSTRAINT [PK_OrderList] PRIMARY KEY CLUSTERED ([Order_Id] ASC),
    CONSTRAINT [FK_OrderList_ToTable] FOREIGN KEY ([SUPP_EMAIL]) REFERENCES
[dbo].[Supplier] ([SUPP_EMAIL])
);
```

```
CREATE TABLE [dbo].[Invoice] (
    [Invoice_Id]              INT                IDENTITY (1, 1) NOT NULL,
    [INVOICE_REFERENCE]       VARCHAR (2000) NULL,
    [INVOICE_DATE]            DATE                NULL,
    [INVOICE_STATUS]          VARCHAR (2000) NULL,
    [INVOICE_HOLD_REASON]     VARCHAR (2000) NULL,
    [INVOICE_AMOUNT]          INT                NULL,
```

```

[INVOICE_DESCRIPTION] VARCHAR (2000) NULL
);

CREATE TABLE [dbo].[Orderline] (
    [INVOICE_REFERENCE] VARCHAR (2000) NULL,
    [ORDER_REF]          VARCHAR (2000) NULL,
    [ORDER_DESCRIPTION] VARCHAR (2000) NULL,
    [ORDER_STATUS]       VARCHAR (2000) NULL,
    [ORDER_LINE_AMOUNT] INT              NULL
);

```

3.

```

USE [C:\USERS\USER\SOURCE\REPOS\MCB\MCB\APP_DATA\BCM.MDF]
GO
/***** Object: StoredProcedure [dbo].[DataMigration]    Script Date: 01/05/2024
19:02:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
ALTER Procedure [dbo].[DataMigration]
AS
INSERT INTO Supplier (SUPP_EMAIL,SUPPLIER_NAME, SUPP_CONTACT_NAME, SUPP_ADDRESS,
SUPP_CONTACT_NUMBER)
    SELECT DISTINCT SUPP_EMAIL,SUPPLIER_NAME, SUPP_CONTACT_NAME, SUPP_ADDRESS,
SUPP_CONTACT_NUMBER
    FROM XXBCM_ORDER_MGT;

INSERT INTO OrderList (ORDER_REF,ORDER_DATE, ORDER_TOTAL_AMOUNT, ORDER_DESCRIPTION,
ORDER_STATUS)
SELECT ORDER_REF,ORDER_DATE, ORDER_TOTAL_AMOUNT, ORDER_DESCRIPTION, ORDER_STATUS
    FROM XXBCM_ORDER_MGT
    where ORDER_STATUS = 'Closed' or ORDER_STATUS = 'Open'

INSERT INTO Invoice (INVOICE_REFERENCE,INVOICE_DATE , INVOICE_STATUS,
INVOICE_HOLD_REASON, INVOICE_AMOUNT, INVOICE_DESCRIPTION )
SELECT INVOICE_REFERENCE,INVOICE_DATE , INVOICE_STATUS, INVOICE_HOLD_REASON,
INVOICE_AMOUNT, INVOICE_DESCRIPTION
    FROM XXBCM_ORDER_MGT
    where INVOICE_REFERENCE is not Null;

INSERT INTO Orderline (INVOICE_REFERENCE,ORDER_REF , ORDER_DESCRIPTION, ORDER_STATUS,
ORDER_LINE_AMOUNT)
SELECT INVOICE_REFERENCE,ORDER_REF , ORDER_DESCRIPTION, ORDER_STATUS, ORDER_LINE_AMOUNT
    FROM XXBCM_ORDER_MGT
    where INVOICE_REFERENCE is not Null;

exec DataMigration

```

4

```
select replace(replace(ORDER_REF, 'PO', ' '), '0', ' ') as Order_Reference,  
ORDER_DATE, SUPP_CONTACT_NAME , ORDER_TOTAL_AMOUNT, ORDER_STATUS,  
INVOICE_REFERENCE, INVOICE_AMOUNT, INVOICE_STATUS  
from XXBCM_ORDER_MGT
```

5.

```
select replace(replace(ORDER_REF, 'PO', ' '), '0', ' ') as Order_Reference,  
ORDER_DATE, upper(SUPP_CONTACT_NAME), Max(ORDER_TOTAL_AMOUNT) , ORDER_STATUS,  
INVOICE_REFERENCE  
from XXBCM_ORDER_MGT  
where ORDER_TOTAL_AMOUNT < (select Max(ORDER_TOTAL_AMOUNT) from XXBCM_ORDER_MGT)
```

6.

```
select SUPPLIER_NAME , SUPP_CONTACT_NAME, SUPP_CONTACT_NUMBER,  
Count(ORDER_REF) AS Total_Order, SUM(ORDER_TOTAL_AMOUNT)  
from XXBCM_ORDER_MGT  
group by ORDER_REF
```