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Software Engineer

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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

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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