Steps

And

Script for Setting Database Mail and

Sending Email from SQL Server 2008

Step1: First of all you need to enable and setup Data mail profile and account. Below is the script just copy and paste to your SQL Server query window and change the parameters accordingly.

```
/*RUN THIS SCRIPT AFTER SETTING PROPER CONFIGURATIONS*/

-- ENABLE DATABASE MAIL FEATURE IN SYSTEM CONFIGURATION

USE MASTER

GO

SP_CONFIGURE 'SHOW ADVANCED OPTIONS',1

GO

RECONFIGURE WITH OVERRIDE

GO

SP_CONFIGURE 'DATABASE MAIL XPS',1

GO

RECONFIGURE

GO

-- DECLARE DATABASE MAIL ACCOUNT PARAMETERS

DECLARE @QMAIL_ACCOUNT_NAME AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_DESCRIPTION AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_EMAIL_ADDRESS AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_DISPLAY_NAME AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_USERNAME AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_PASSWORD AS VARCHAR(64);

DECLARE @QMAIL_ACCOUNT_MAILSERVER_NAME AS VARCHAR(64);


-- DECLARE PROFILE PARAMETERS

DECLARE @QMAIL_PROFILE_PROFILE_NAME AS VARCHAR(64);

DECLARE @QMAIL_PROFILE_DESCRIPTION AS VARCHAR(64);

-- DECLARE PRINCIPLES

DECLARE @QPRINCIPAL_NAME AS VARCHAR(16);

-- SET SMTP ACCOUNT DETAILS, USERNAME AND PASSWORD HERE

SET @QMAIL_ACCOUNT_MAILSERVER_NAME = 'SMTP.BIZMAIL.YAHOO.COM' -- YOUR SMTP ADDRESS

SET @QMAIL_ACCOUNT_USERNAME='SOMETHING@SOMETHING.COM'  -- USERNAME

SET @QMAIL_ACCOUNT_EMAIL_ADDRESS = 'MYEMAILNAME@SOMETHING.COM' -- EMAIL ADDRESS

SET @QMAIL_ACCOUNT_PASSWORD='PASSWORD FOR USER (SOMETHING@SOMETHING.COM)'  -- PASSWORD FOR USERNAME
```

```sql
SET @QMAIL_ACCOUNT_NAME = 'YOURACCOUNTNAME (E.G MYAPPNAME_EMAILACCOUNT)'

SET @QMAIL_ACCOUNT_DESCRIPTION = 'MAIL ACCOUNT FOR ADMINISTRATIVE E-MAIL.'

SET @QMAIL_ACCOUNT_DISPLAY_NAME = 'MYAPPLICATIONNAME AUTOMATED MAILER'

-- PROFILE PARAMETERS ASSIGNMENT

SET @QMAIL_PROFILE_PROFILE_NAME = 'MYAPPNAMEEMAILSERVICEPROFILE'

SET @QMAIL_PROFILE_DESCRIPTION = 'PROFILE USED FOR DATABASE MAIL JOBS'


--PROFILE TYPE

SET @QPRINCIPAL_NAME= 'PUBLIC'

IF (    @QMAIL_ACCOUNT_MAILSERVER_NAME = '' OR

            @QMAIL_ACCOUNT_USERNAME='' OR

            @QMAIL_ACCOUNT_EMAIL_ADDRESS = ''  OR @QMAIL_ACCOUNT_PASSWORD='' )

BEGIN

   SELECT 'PLEASE ENTER SMTP DETAILS' AS [COMMENTS]

END

ELSE

BEGIN

        IF EXISTS(SELECT * FROM  MSDB.DBO.SYSMAIL_ACCOUNT WHERE[NAME]=@QMAIL_ACCOUNT_NAME)

        BEGIN

        EXEC MSDB.DBO.SYSMAIL_DELETE_ACCOUNT_SP @ACCOUNT_NAME =@QMAIL_ACCOUNT_NAME

        END


        EXECUTE MSDB.DBO.SYSMAIL_ADD_ACCOUNT_SP

         @ACCOUNT_NAME = @QMAIL_ACCOUNT_NAME,

           @DESCRIPTION = @QMAIL_ACCOUNT_DESCRIPTION,

           @EMAIL_ADDRESS = @QMAIL_ACCOUNT_EMAIL_ADDRESS,

           @DISPLAY_NAME = @QMAIL_ACCOUNT_DISPLAY_NAME,

           @USERNAME=@QMAIL_ACCOUNT_USERNAME,

           @PASSWORD=@QMAIL_ACCOUNT_PASSWORD,

           @MAILSERVER_NAME = @QMAIL_ACCOUNT_MAILSERVER_NAME


        IF EXISTS(SELECT * FROM  MSDB.DBO.SYSMAIL_PROFILE WHERE[NAME]=@QMAIL_PROFILE_PROFILE_NAME)

        BEGIN
```

```
            EXEC MSDB.DBO.SYSMAIL_DELETE_PROFILE_SP @PROFILE_NAME =@QMAIL_PROFILE_PROFILE_NAME

            END


            EXECUTE MSDB.DBO.SYSMAIL_ADD_PROFILE_SP

                @PROFILE_NAME = @QMAIL_PROFILE_PROFILE_NAME,

                @DESCRIPTION = @QMAIL_PROFILE_DESCRIPTION


            EXECUTE MSDB.DBO.SYSMAIL_ADD_PROFILEACCOUNT_SP

                @PROFILE_NAME = @QMAIL_PROFILE_PROFILE_NAME,

                @ACCOUNT_NAME = @QMAIL_ACCOUNT_NAME,

                @SEQUENCE_NUMBER = 1


            EXECUTE MSDB.DBO.SYSMAIL_ADD_PRINCIPALPROFILE_SP

                @PROFILE_NAME = @QMAIL_PROFILE_PROFILE_NAME,

                @PRINCIPAL_NAME = @QPRINCIPAL_NAME,

                @IS_DEFAULT = 1 ;

END
```

Step2: Create a Sproc which will send email notification. Below is the script for that only you need to change your email

To/CC, Subject, Body from your application tables or you can set anything you want. Please make sure Email profile name

is proper it should be same as you have configured during Database Email Setup.

```
IF EXISTS (SELECT 1 FROM SYS.OBJECTS WHERE NAME = 'P_SENDEMAILNOTIFICATION' AND TYPE = 'P')

DROP PROCEDURE P_SENDEMAILNOTIFICATION

GO


CREATE PROCEDURE [DBO].[P_SENDEMAILNOTIFICATION]

AS

BEGIN

DECLARE @ERRORCODE AS INT

BEGIN TRANSACTION

DECLARE @MAILPRIORITY VARCHAR(8);
```

```
DECLARE @SENDADDRESSTO VARCHAR (256);

DECLARE @SENDADDRESSCC VARCHAR(256);

DECLARE @MAILBODYFORMAT VARCHAR(8);

DECLARE @DBMAILPROFILE VARCHAR(32);


SET @MAILBODYFORMAT ='HTML'

SET @DBMAILPROFILE = 'EMAIL    PROFILE    NAME    WHICH    YOU    HAVE    CREATED    DURING    DB    MAIL    SETUP    (E.G
MYAPPNAMEEMAILSERVICEPROFILE)'

SET @MAILPRIORITY = 'NORMAL'


SELECT @SENDADDRESSTO = 'SOMEONE@SOMEONE.COM,ABC@ABC.COM'


SELECT @SENDADDRESSCC ='SOMEONE@SOMEONE.COM,XYZ@XYZ.COM'


EXEC MSDB.DBO.SP_SEND_DBMAIL

        @PROFILE_NAME = @DBMAILPROFILE,

        @RECIPIENTS=@SENDADDRESSTO,

        @COPY_RECIPIENTS  = @SENDADDRESSCC,

        @IMPORTANCE = @MAILPRIORITY,

        @SUBJECT = 'EMAIL SUBJECT',

        @BODY = 'EMAIL BODY....HI THIS IS TEST EMAIL',

        @BODY_FORMAT = @MAILBODYFORMAT ;


SET @ERRORCODE = @@ERROR

IF(@ERRORCODE <> 0)

BEGIN

 GOTO ERR_HANDLER

 END


 COMMIT TRANSACTION

SET @ERRORCODE = @@ERROR

IF @ERRORCODE<>0 BEGIN GOTO ERR_HANDLER END


ERR_HANDLER:
```

```
IF @ERRORCODE<>0

BEGIN

 ROLLBACK TRANSACTION

END

END
```

You are done, now you just need to call this sproc and this will send the email, if you want to Automate this email as some

alert then better you create a job and within that job call this sproc as per your needed schedule.