

----- Create Table JobApplications

USE [JobApplicationLog]  
GO

/\*\*\*\*\* Object: Table [dbo].[JobApplications] Script Date: 10/13/2016  
3:45:48 PM \*\*\*\*\*/  
SET ANSI\_NULLS ON  
GO

SET QUOTED\_IDENTIFIER ON  
GO

IF OBJECT\_ID('[dbo].[JobApplications]') IS NOT NULL  
begin  
DROP TABLE [dbo].[JobApplications]  
end

CREATE TABLE [dbo].[JobApplications](  
[ID] [int] IDENTITY(1,1) NOT NULL,  
[EmployerName] [nvarchar](255) NOT NULL,  
[PositionTitle] [nvarchar](255) NOT NULL,  
[DateApplied] [datetime] NULL,  
[DateResponse] [datetime] NULL,  
[DateInterview] [datetime] NULL,  
[FurtherDevelopment] [nvarchar] (255) NULL,  
CONSTRAINT [PK\_JobApplications\_ID] PRIMARY KEY CLUSTERED ([ID] ASC)  
WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,  
IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON  
[PRIMARY])  
ON [PRIMARY]  
GO

----- Retain Employers with at least 5 submissions and with at --  
-- least one within last 180 days

USE [JobApplicationLog]  
GO

/\*\*\*\*\* Object: Table [dbo].[Employers] Script Date: 11/12/2016 2:34:35 PM \*\*\*\*\*/  
SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

DECLARE @DateCutoff datetime = DateAdd("d", -180, GetDate())

IF OBJECT\_ID('[dbo].[Employers]') IS NOT NULL  
begin  
DROP TABLE [dbo].[Employers]  
end

CREATE TABLE [dbo].[Employers](  
[ID] [int] IDENTITY(1,1),

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        [EmployerName] [nvarchar](255) NOT NULL,
        [TotalSubmissions] [int] NULL,
        [TotalResponses] [int] NULL,
        [TotalInterviews] [int] NULL,
        [LastSubmission] [datetime] NULL,
        [LastResponse] [datetime] NULL,
        [LastInterview] [datetime] NULL,
        CONSTRAINT PK_Employers_ID PRIMARY KEY CLUSTERED (ID)
    ) ON [PRIMARY]

INSERT [dbo].[Employers] (EmployerName,TotalSubmissions,TotalResponses,
TotalInterviews,LastSubmission,LastResponse,LastInterview)
SELECT EmployerName, Count(DateApplied), Count(DateResponse),
Count(DateInterview), Max(DateApplied), Max(ISNULL(DateResponse,0)),
Max(ISNULL(DateInterview,0))
FROM [dbo].[JobApplications]
GROUP BY EmployerName
HAVING Count(DateApplied) > 4 AND
(Max(DateApplied) >= @DateCutoff OR Max(ISNULL(DateResponse,0)) >=
@DateCutoff OR
Max(ISNULL(DateInterview,0)) >= @DateCutoff )
ORDER BY Count(DateApplied) DESC, EmployerName
GO

```

-----Exclude SOL Employers with Five Submissions older 180 days

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USE [JobApplicationLog]
GO

```

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/***** Object: Table [dbo].[SOL_Employers]
Script Date: 11/12/2016 2:34:35 PM *****/
SET ANSI_NULLS ON

```

```

SET QUOTED_IDENTIFIER ON

```

```

DECLARE @DateCutoff datetime = DateAdd("d", -180, GetDate())

```

```

IF OBJECT_ID('[dbo].[SOL_Employers]') IS NOT NULL
begin
    DROP TABLE [dbo].[SOL_Employers]
end

```

```

CREATE TABLE [dbo].[SOL_Employers](
    [ID] [int] IDENTITY(1,1),
    [EmployerName] [nvarchar](255) NOT NULL,
    [TotalSubmissions] [int] NULL,
    [TotalResponses] [int] NULL,
    [TotalInterviews] [int] NULL,
    [LastSubmission] [datetime] NULL,
    [LastResponse] [datetime] NULL,
    [LastInterview] [datetime] NULL,
    CONSTRAINT PK_SOL_Employers_ID PRIMARY KEY CLUSTERED (ID)
) ON [PRIMARY]

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INSERT [dbo].[SOL_Employers]
(EmployerName,TotalSubmissions,TotalResponses,
TotalInterviews,LastSubmission,LastResponse,LastInterview)
SELECT EmployerName, Count(DateApplied), Count(DateResponse),
Count(DateInterview), Max(DateApplied), Max(ISNULL(DateResponse,0)),
Max(ISNULL(DateInterview,0))
FROM [dbo].[JobApplications]
GROUP BY EmployerName
HAVING Count(DateApplied) > 4 AND
Max(DateApplied) < @DateCutoff AND
Max(ISNULL(DateResponse,0)) < @DateCutoff AND
Max(ISNULL(DateInterview,0)) < @DateCutoff
ORDER BY Count(DateApplied) DESC, EmployerName
GO

```

----- Exclude Submissions of SOL Employers older 180 days

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DELETE FROM [dbo].[JobApplications]
WHERE [EmployerName] NOT IN
( SELECT [EmployerName] FROM [dbo].[Employers])

```

----- Create Indexes for Job Applications Log Table

```

USE [JobApplicationLog]
GO

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```

ALTER TABLE [dbo].[JobApplications] WITH CHECK ADD CONSTRAINT
[FK_JobApplications_EmployerName] FOREIGN KEY([ID])
REFERENCES [dbo].[JobApplications] ([ID])

```

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ALTER TABLE [dbo].[JobApplications] CHECK CONSTRAINT
[FK_JobApplications_EmployerName]

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```

ALTER TABLE [dbo].[JobApplications] WITH CHECK ADD CONSTRAINT
[FK_JobApplications_PositionTitle] FOREIGN KEY([ID])
REFERENCES [dbo].[JobApplications] ([ID])

```

```

ALTER TABLE [dbo].[JobApplications] CHECK CONSTRAINT
[FK_JobApplications_PositionTitle]
GO

```