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-- This stored procedure searches hospital ratings
-- A user can select hospital name (text input) or state/county/zipcode/overall_rating
-- (dropdowns) from UI
-- All ratings of one or more hospitals will be returned
-- Developer: Mei Wei. https://github.com/weicoding1
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CREATE PROC sp_SearchForRating
@Hospital_Name nvarchar(50)=NULL,
@State nvarchar(50)=NULL,
@County nvarchar(50)=NULL,
@Zip_code nvarchar(50)=NULL,
@Overall_Rating nvarchar(50)=NULL
AS
BEGIN
SET NOCOUNT ON;

SELECT *
INTO #TEMP
FROM dbo.Rating

DECLARE @table table (id int, name varchar(50))
INSERT @table(id, name) values
        (1, 'OVERALL_RATING'),
        (2, 'MORTALITY'),
        (3, 'SAFETY_CARE'),
        (4, 'READMISSION'),
        (5, 'PATIENT_EXPERIENCE'),
        (6, 'EFFECTIVE_CARE'),
        (7, 'TIMELINESS_CARE'),
        (8, 'IMAGING')

DECLARE @counter int = 1
DECLARE @max int = (SELECT count(*) FROM @table)
DECLARE @name varchar(50)
DECLARE @sql varchar(max)

WHILE (@counter <= @max)
BEGIN
    SELECT @name=name FROM @table WHERE id = @counter
    SET @sql = 'UPDATE #TEMP SET ' + @name + '=' + ' same as the national average' WHERE '+@name+'='1''
    EXEC(@sql)
    SET @sql = 'UPDATE #TEMP SET ' + @name + '=' + ' above as the national average' WHERE '+@name+'='2''
    EXEC(@sql)
    SET @sql = 'UPDATE #TEMP SET ' + @name + '=' + ' below the national average' WHERE '+@name+'='3''
    EXEC(@sql)
    SET @sql = 'UPDATE #TEMP SET ' + @name + '=' + ' not available' WHERE '+@name+'='4''
    EXEC(@sql)
    SET @counter = @counter+1
END

IF @Hospital_Name IS NOT NULL
BEGIN
    SELECT *
    FROM #TEMP
    WHERE NAME=@Hospital_Name
END
ELSE
IF @State IS NOT NULL
BEGIN
    SELECT L.NAME,
           L.STATE,
           T.*
    FROM L
    JOIN T ON L.NAME=T.NAME
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FROM #TEMP T
JOIN Location L
ON T.NAME=L.NAME
WHERE L.STATE=@State
END
ELSE
IF @COUNTY IS NOT NULL
BEGIN
SELECT L.NAME,
        L.COUNTY,
        T.*
FROM #TEMP T
JOIN Location L
ON T.NAME=L.NAME
WHERE L.COUNTY=@County
END
ELSE
IF @Zip_code IS NOT NULL
BEGIN
SELECT L.NAME,
        L.ZIP_CODE,
        T.*
FROM #TEMP T
JOIN Location L
ON T.NAME=L.NAME
WHERE L.ZIP_CODE=@Zip_code
END
ELSE
IF @Overall_Rating IS NOT NULL
BEGIN
SELECT *
FROM Rating
WHERE OVERALL_RATING=@Overall_Rating
END
END

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