SQL | Stored procedures exercise | Create a stored procedure to list Matt Smith's Dr. Who episodes

(https://www.wiseowl.co.uk/sql/exercises/standard/stored-procedures/3965/)

Write a **SELECT** statement in SQL to list out all of the episodes which featured **Matt Smith** as the Doctor:

```
3    --Write a SELECT statement in SQL to list out all of the episodes which featured Matt Smith as the Doctor
4
5  ⊟select e.SeriesNumber, e.EpisodeNumber, e.Title, e.EpisodeDate, d.DoctorName from [dbo].[tblDoctor] as d
6    inner join [dbo].[tblEpisode] as e
7    on d.DoctorId = e.DoctorId
8    where DoctorName = 'Matt Smith'
```

100 %

▦ Results ▤ Messages

	SeriesNumber	EpisodeNumber	Title	EpisodeDate	DoctorName
1	5	1	The Eleventh Hour	2010-04-03	Matt Smith
2	5	2	The Beast Below	2010-04-10	Matt Smith
3	5	3	Victory of the Daleks	2010-04-17	Matt Smith
4	5	4	The Time of Angels (Part 1)	2010-04-24	Matt Smith
5	5	5	Flesh and Stone (Part 2)	2010-05-01	Matt Smith
6	5	6	The Vampires of Venice	2010-05-08	Matt Smith
7	5	7	Amy's Choice	2010-05-15	Matt Smith
8	5	8	The Hungry Earth (Part 1)	2010-05-22	Matt Smith
9	5	9	Cold Blood (Part 2)	2010-05-29	Matt Smith
10	5	10	Vincent and the Doctor	2010-06-05	Matt Smith
11	5	11	The Lodger	2010-06-12	Matt Smith
12	5	12	The Pandorica Opens (Part 1)	2010-06-19	Matt Smith
13	5	13	The Big Bang (Part 2)	2010-06-26	Matt Smith
14	6	NULL	A Christmas Carol	2010-12-25	Matt Smith
15	6	1	The Impossible Astronaut (Part 1)	2011-04-23	Matt Smith
16	6	2	Day of the Moon (Part 2)	2011-04-30	Matt Smith
17	6	3	The Curse of the Black Spot	2011-05-07	Matt Smith
18	6	4	The Doctor's Wife	2011-05-14	Matt Smith
19	6	5	The Rebel Flesh (Part 1)	2011-05-21	Matt Smith
20	6	6	The Almost People (Part 2)	2011-05-28	Matt Smith
21	6	7	A Good Man Goes to War	2011-06-04	Matt Smith

Add the following at the start of your SQL to store it as a stored procedure:

```
 6  CREATE PROC spMattSmithEpisodes
 7  AS
 8  select e.SeriesNumber, e.EpisodeNumber, e.Title, e.EpisodeDate, d.DoctorName from [dbo].[tblDoctor] as d
 9  inner join [dbo].[tblEpisode] as e
10  on d.DoctorId = e.DoctorId
11  where DoctorName = 'Matt Smith'
12  GO
13
14  exec spMattSmithEpisodes
```

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Results | Messages

	SeriesNumber	EpisodeNumber	Title	EpisodeDate	DoctorName
1	5	1	The Eleventh Hour	2010-04-03	Matt Smith
2	5	2	The Beast Below	2010-04-10	Matt Smith
3	5	3	Victory of the Daleks	2010-04-17	Matt Smith
4	5	4	The Time of Angels (Part 1)	2010-04-24	Matt Smith
5	5	5	Flesh and Stone (Part 2)	2010-05-01	Matt Smith
6	5	6	The Vampires of Venice	2010-05-08	Matt Smith
7	5	7	Amy's Choice	2010-05-15	Matt Smith
8	5	8	The Hungry Earth (Part 1)	2010-05-22	Matt Smith
9	5	9	Cold Blood (Part 2)	2010-05-29	Matt Smith
10	5	10	Vincent and the Doctor	2010-06-05	Matt Smith
11	5	11	The Lodger	2010-06-12	Matt Smith
12	5	12	The Pandorica Opens (Part 1)	2010-06-19	Matt Smith
13	5	13	The Big Bang (Part 2)	2010-06-26	Matt Smith
14	6	NULL	A Christmas Carol	2010-12-25	Matt Smith
15	6	1	The Impossible Astronaut (Part 1)	2011-04-23	Matt Smith

Now change your script so that it alters the stored procedure to list out only those episodes featuring **Matt Smith** made in 2012, using this syntax in the **WHERE** clause:

```
 1  USE [DoctorWho]
 2  GO
 3  /****** Object:  StoredProcedure [dbo].[spMattSmithEpisodes]    Script Date: 10/11/2020 5:38:07 PM ******/
 4
 5  ALTER PROC [dbo].[spMattSmithEpisodes]
 6  AS
 7  select e.SeriesNumber, e.EpisodeNumber, e.Title, e.EpisodeDate, d.DoctorName from [dbo].[tblDoctor] as d
 8  inner join [dbo].[tblEpisode] as e
 9  on d.DoctorId = e.DoctorId
10  where DoctorName = 'Matt Smith'
11  and year(e.EpisodeDate) = 2012
12
13  exec spMattSmithEpisodes
14
```

100 %

Results | Messages

	SeriesNumber	EpisodeNumber	Title	EpisodeDate	DoctorName
1	7	1	Asylum of the Daleks	2012-09-01	Matt Smith
2	7	2	Dinosaurs on a Spaceship	2012-09-08	Matt Smith
3	7	3	A Town Called Mercy	2012-09-15	Matt Smith
4	7	4	The Power of Three	2012-09-22	Matt Smith
5	7	5	The Angels Take Manhattan	2012-09-29	Matt Smith
6	7	NULL	The Snowmen	2012-12-25	Matt Smith