SQL Server Tutorial

Part 126 - DATEFROMPARTS function in SQL Server

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In this session we will learn

- DATEFROMPARTS function in SQL Server

Link to Dot Net Basics, ASP.NET, C#, ADO.NET and SQL Server video series
http://www.youtube.com/user/kudvenkat/playlists

Suggested Videos
Part 123 - TRY_PARSE function in SQL Server 2012
Part 124 - TRY_CONVERT function in SQL Server 2012
Part 125 - EOMONTH function in SQL Server 2012

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DATEFROMPARTS function in SQL Server

DATEFROMPARTS function
- Introduced in SQL Server 2012
- Returns a date value for the specified year, month, and day
- The data type of all the 3 parameters (year, month, and day) is integer
- If invalid argument values are specified, the function returns an error
- If any of the arguments are NULL, the function returns null

Syntax : `DATEFROMPARTS ( year, month, day )`

Example : All the arguments have valid values, so DATEFROMPARTS function returns the expected date

```
SELECT DATEFROMPARTS ( 2015, 10, 25) AS [Date]
```

Date
25/10/2015

DATEFROMPARTS function in SQL Server

Example : Invalid value specified for month parameter, so the function returns an error

```sql
SELECT DATEFROMPARTS ( 2015, 15, 25) AS [Date]
```

Cannot construct data type date, some of the arguments have values which are not valid

Example : NULL specified for month parameter, so the function returns NULL

```sql
SELECT DATEFROMPARTS ( 2015, NULL, 25) AS [Date]
```

Date
NULL

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DATEFROMPARTS function in SQL Server

```
New date and time functions - SQL Server 2012
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EOMONTH (Discussed in Part 125 of SQL Server tutorial)

DATETIMEFROMPARTS : Returns DateTime
    Syntax : DATETIMEFROMPARTS (year,month,day,hour,minute,seconds,milliseconds)

SMALLDATETIMEFROMPARTS : Returns SmallDateTime
    Syntax : SMALLDATETIMEFROMPARTS (year,month,day,hour,minute)



Next Video
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Difference between DateTime and SmallDateTime



Later Video
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TIMEFROMPARTS
DATETIME2FROMPARTS
DATETIMEOFFSETFROMPARTS
```

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Additional Resources

PRAGIM Home Page:

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Resources:

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