### www.PragimTech.com

Pragim@PragimTech.com

### Part 26 – DateTime functions continued

Venkat
PRAGIM Technologies
<a href="mailto:kudvenkat@gmail.com">kudvenkat@gmail.com</a>
<a href="http://csharp-video-tutorials.blogspot.com">http://csharp-video-tutorials.blogspot.com</a>

PRAGIM Technologies | www.pragimtech.com | 9900113931



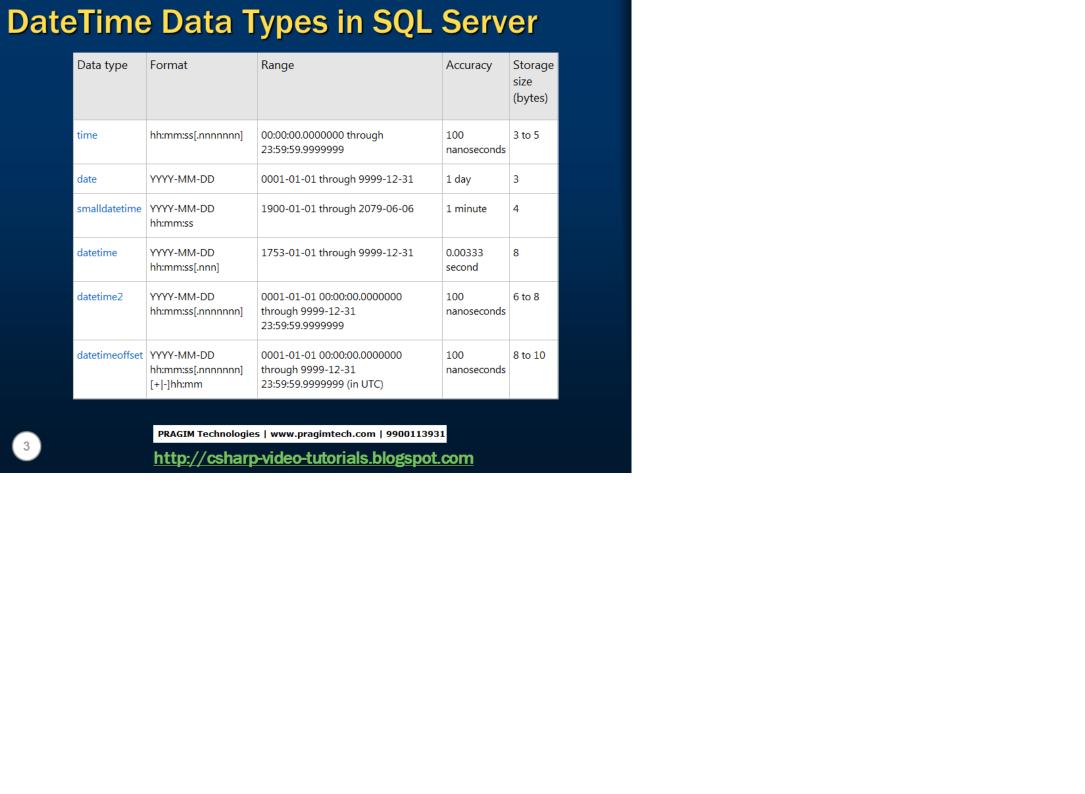
## In this session we will learn

- IsDate, Day, Month, Year and DateName
- A practical example of using these functions

Prerequisite
Part 25 - DateTime functions in SQL Server

PRAGIM Technologies | www.pragimtech.com | 9900113931





### **ISDATE**

Function	Date Time Format	Description
GETDATE()	2012-08-31 20:15:04.543	Commonly used
CURRENT_TIMESTAMP	2012-08-31 20:15:04.543	ANSI SQL equivalent to GETDATE
SYSDATETIME()	2012-08-31 20:15:04.5380028	More fractional seconds precision
SYSDATETIMEOFFSET()	2012-08-31 20:15:04.5380028 + 01:00	More fractional seconds precision + Time zone offset
GETUTCDATE()	2012-08-31 19:15:04.543	UTC Date and Time
SYSUTCDATETIME()	2012-08-31 19:15:04.5380028	UTC Date and Time, with More fractional seconds precision

ISDATE() - Checks if the given value, is a valid date, time, or datetime. Returns 1 for success, 0 for failure.

```
--Examples
Select ISDATE('PRAGIM') -- returns 0
Select ISDATE(Getdate()) -- returns 1
Select ISDATE('2012-08-31 21:02:04.167') -- returns 1
Select ISDATE('2012-09-01 11:34:21.1918447') -- returns 0
```

Note: For datetime2 values, IsDate returns ZERO.

PRAGIM Technologies | www.pragimtech.com | 9900113931

# Day, Month, Year

#### Day()-Returns the 'Day number of the Month' of the given date

```
--Examples:
Select DAY(GETDATE()) -- Returns the current date day number of the month
Select DAY('01/31/2012') -- Returns 31
```

#### Month() - Returns the 'Month number of the year' of the given date

```
--Examples:
Select Month(GETDATE()) -- Returns the current date, Month number of the year
Select Month('01/31/2012') -- Returns 1
```

#### Year()-Returns the 'Year number' of the given date

```
--Examples:
Select Year(GETDATE()) -- Returns the current date the year number
Select Year('01/31/2012') -- Returns 2012
```

PRAGIM Technologies | www.pragimtech.com | 9900113931

## **DateName**

**DateName(DatePart, Date)**- Returns a string, that represents a part of the given date. This functions takes 2 parameters. The first parameter DatePart specifies, the part of the date, we want. The second parameter, is the actual date, from which we want the part of the Date.

```
--Examples:
Select DATENAME(Day, '2012-09-30 12:43:46.837') -- Returns 30
Select DATENAME(WEEKDAY, '2012-09-30 12:43:46.837') -- Returns Sunday
Select DATENAME(MONTH, '2012-09-30 12:43:46.837') -- Returns September
```

Id	Name	DateOfBirth		
1	Sam	1980-12-30 00:00:00.000		
2	Pam	1982-09-01 12:02:36.260		
3	John	1985-08-22 12:03:30.370		
4	Sara	1979-11-29 12:59:30.670		

Name	DateOfBirth	Day	MonthNumber	MonthName	Year
Sam	1980-12-30 00:00:00.000	Tuesday	12	December	1980
Pam	1982-09-01 12:02:36.260	Wednesday	9	September	1982
John	1985-08-22 12:03:30.370	Thursday	8	August	1985
Sara	1979-11-29 12:59:30.670	Thursday	11	November	1979

DatePart Abbreviation year уу, уууу quarter qq, q month mm, m dayofyear dy, y day dd, d week wk, ww dw weekday hh hour minute mi, n second ss, s millisecond ms microsecond mcs nanosecond ns TZoffset tz



PRAGIM Technologies | www.pragimtech.com | 9900113931

## **Additional Resources**

- PRAGIM Home Page:
  - http://www.PragimTech.com
- Resources:
  - ASP.NET Interview Questions
  - http://www.VenkatASPInterview.Blogspot.com
  - C# Interview Questions
  - http://www.VenkatCSharpInterview.Blogspot.com

PRAGIM Technologies | www.pragimtech.com | 9900113931

