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**Procedure:** SQL Server 2005 - Determine datatype of variable

**Source:** [**LINK**](http://stackoverflow.com/questions/447944/sql-server-2005-determine-datatype-of-variable) **(**http://stackoverflow.com/questions/447944/sql-server-2005-determine-datatype-of-variable**)**

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# **SQL Server 2005 – Determine datatype of variable**

**SCENARIO**

*Is it possible to determine the type of a local variable at runtime in TSQL?*

For example, say I wanted to do something along these lines:

IF ( @value IS INTEGER )

Or

IF ( TYPEOF(@value) = <whatever> )

Does anyone know of any way to accomplish this?

**EDIT**: This is not for a specific task, this is more of a general knowledge question. I do appreciate answers that indicate that the type should be known since it is declared within the same batch, I am curious as to whether the type can be determined at runtime.

**SOLUTION**

declare @d int

select @d = 500

if cast(sql\_variant\_property(@d,'BaseType') as varchar(20)) = 'int'

print 'yes'

else

print 'no'