

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'
```