

Best Practices

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Hi. I asked this question on another newsgroup, but with no luck...

I'm doing a .Net conversion project. Before, I was using VB6.0 and Oracle for a 3 tier architecture. An important part of the conversion is moving a large number of Oracle stored procedure to VB.NET; the reason is that they contain too much business logic. This is an example of how a stored procedure looked like:

BEGIN

define cursor 1

define cursor 2

define cursor 3

validate inputs

open cursor 1(with input arguments)

open cursor 2(with input arguments)

if cursor 1 column(x) <> cursor 2 column(y) raise error

open cursor 3(with input and cursor 2 column(y) arguments)

if cursor 3 column(z) is null then insert into some_table

if cursor 3 column(w) is null then set some output variables

set some output variables

END

What is the best way to write this in a VB.NET function/procedure?

Should I use datasets or should I use datareaders?

Should I execute the select statements (the cursors) at the beginning of the function, or should I execute them in the "middle" of the function?

Do I use the same datareader for all the select statements (eg call ExecuteReader on the same datareader with different command object – or maybe the same command object with a different command string)?

Should I use stored procedures for selecting, inserting and deleting from the database instead of doing it from the function?

How do I deal with nulls?

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Maybe I'm not asking all the right questions, so I would appreciate, if someone knows a complex example on the internet that is similar to what I'm asking, to share the link.

Thanks.

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