

## Question

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# Need variable number of query parameters in dynamic query

I have a query string that I am creating programmatically, based on some user inputs. The user might search on 5 fields, or 8 fields, or no fields.

In my sql statement, some of these fields require parameters in the %Execute statement.

For example:

if user picks lastname, sql = "select \* from person where lastname = ?"

if user also picks age, sql = "select \* from person where lastname=? and age > ?"

I then have these lines of code to create my result set:

```
set statement = %SQL.Statement
```

```
statement.%Prepare
```

```
resultset = statement.%Execute(param1, param2)
```

```
-- but it might be
```

```
resultset = statement.%execute(param1)
```

How can I pass a variable number of parameters when I don't know how many the user will pick to filter the search? I need some kind of parameter object? Or will indirection work? Something with \$lists? %ListOfDataTypes?

```
parameterObject.Insert(param1)
```

```
parameterObject.Insert(param2)
```

```
resultset = statement.%Execute(parameterObject)
```

Does anything like this exist?

[#SQL #Caché](#)

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