Article
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Using ClassQueries() as Tables

Similar to Caché so also in **IRIS**, you have ClassQueries available in 2 variants

- Basic class queries, which use the class %SQLQuery and an SQL SELECT statement.
- Custom class queries, which use the class %Query and custom logic to execute, fetch, and close the query.

The related documentation is excellent and very detailed.
You will see a bunch of examples of how to use it with %ResultSet or %SQL.Statement
Following the suggestions, you will add the keyword [SqlProc] to make it visible in SMP or over JDBC/ODBC

Attention: [SqlProc] Doesn't distinguish whether your procedure returns a scalar value (acting as StoredFunction) or if it returns a ResultSet. You have to check the definition to see the difference.

Returning a ResultSet means that you can use this StoredProcedure not only by a CALL statement but also like any **Sql Table applying WHERE, GROUP, ORDER, JOIN, .. whatever is available to a SELECT**

This fact is not new but never mentioned in any documentation I know of.
Examples:

```
SELECT TOP 5 * FROM SYS.Process_JOBEXAM() ORDER BY Commands DESC
```

Job#	Nspace	Routine	Commands	Globals	State	Pid	Current Device
13	%SYS	%SYS.WorkQueueMgr	192292288	10994609	HANG	11884	//./nul
16	%SYS	%SYS.Monitor.Control.1	37734972	991464	EVTW	9196	//./nul
19	%SYS	%SYS.cspServer2	5437814	493542	READ	15364	|TCP|localhost:51773
20	%SYS	%SYS.cspServer2	3941427	426787	READ	15372	|TCP|localhost:51773
6	%SYS	%SYS.TaskSuper.1	3670721	264768	EVTW	9088	//./nul

```
SELECT Name,Directory,MountRequired FROM Config.Databases_List() order by Name
```

Name	Directory	MountRequired
CACHE	C:\InterSystems\IRIS\mgr\cache\	0
DEMO	C:\InterSystems\demo\	0
ENSLIB	C:\InterSystems\IRIS\mgr\enslib\	0
IRISAUDIT	C:\InterSystems\IRIS\mgr\irisaudit\	0
IRISLIB	C:\InterSystems\IRIS\mgr\irislib\	1
IRISLOCALDATA	C:\InterSystems\IRIS\mgr\irislocaldata\	1
IRISSYS	C:\InterSystems\IRIS\mgr\	1
IRISTEMP	C:\InterSystems\IRIS\mgr\iristemp\	1
USER	C:\InterSystems\IRIS\mgr\user\	0

My suggestion:

Understand a Stored Procedure returning a ResultSet as kind of a Sub-Select (with additional parameters).

#JDBC #ObjectScript #ODBC #SQL #Caché #Ensemble #InterSystems IRIS

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