

Queries Script

This bit of code greatly simplifies spacecraft queries by establishing a shared buffer for query results and assigning names to some of the most frequently used queries.

```
<reset>

: nCompiled ." Finished compiling code. " ;

: nStopCode -989 ;

&nbsp; ; : nResultSize 100 ;
&nbsp; ;
&nbsp; ; variable pResults nResultSize allot
&nbsp; ;
: vPurgeResults ( -- )
  0
  begin
    dup pResults + nStopCode swap !
    2 +
    dup nResultSize >
  until
  drop
;

: vCountResults ( pResults -- pResults nCount )
  -1
  begin
    1 +
    over over 2 * + @
    nStopCode =
  until
;

: vFetchResults ( pResults nCount -- bufferContents nCount )
  dup >r
  2 *
  begin
    2 -
    over over + @
    rot rot
    dup 0 =
  until
  drop drop
  r>
;

: vPrintStack ( bufferContents nCount -- )
  begin
    1 -
    swap .
    dup 0 =
  until
  drop
;

: vRunQuery ( nValue nQueryId -- pResults ) vPurgeResults pResults swap nResultSize swap query pResults ;

: vPrintResults ( pResults -- ) vCountResults vFetchResults vPrintStack ;

: vPrintString ( pString -- ) count type ;

&nbsp; ;
&nbsp; ; : vGetCompanyName ( nCompanyId -- pResult ) 100 vRunQuery ;&nbsp; ;
: vGetCompanyCredits ( &nbsp; nCompanyId -- pResult ) 101 vRunQuery ;
: vListCompanyDrones ( nCompanyId -- pResult ) 110 vRunQuery ;
&nbsp; ; : vGetDroneName ( nDroneId -- pResult ) 200 vRunQuery ;
&nbsp; ; : vGetDroneOwner ( nDroneId -- pResult ) 201 vRunQuery ;
: vGetDroneLocation ( nDroneId -- pResult ) 202 vRunQuery ;

nCompiled
```

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