Natural Exit Codes

There are two types of Natural exit codes:

- Startup errors, where exit codes 0 and 1 indicate success and all other exit codes indicate errors.

- Errors generated by the `TERMINATE` statement, where exit codes 0 to 255 are possible.

Natural Startup Errors

The following exit codes may occur when starting Natural Studio.

2	Terminal Control String (TCS) capability specified in `SAGtermcap` or Environment Variable `NATTCHARSET`.
3	Failed to initialize character conversion table.
4	Error in character conversion file *NATCONV.INI*.
5	Unable to read database assignments from global configuration file *NATCONF.CFG*.
6	Unable to find `FNAT(`*dbid*`,`*fnr*`)` or `FUSER(`*dbid*`,`*fnr*`).` Check your configuration files.
7	Cannot initialize `LFILE` table.
8	Obsolete.
9	Obsolete.
10	Obsolete.
11	Obsolete.
12	Unable to read specified parameter file. Please verify the parameter file.
13	Unable to read parameter file `NATPARM`.
14	Storage manager initialization failed.
15	End of file (EOF) encountered while reading from `STDIN`.
16	Unable to open buffer pool; contact the Natural system administrator.
17	Unable to read buffer pool assignments from *NATURAL.INI* file.
18	Invalid `FDIC` assignment.
19	Invalid `FNAT` assignment.
20	Invalid `FSEC` assignment.
21	Invalid `FUSER` assignment.
22	Unable to load Natural login module.
23	Unable to allocate memory for local data. Reduce `USIZE` and/or `SSIZE` parameter.
24	Unable to load Natural display module.

25,26	Error loading shareable image or DLL.
27	Login cancelled. Natural terminates.
28	Security violation during start of Natural. Natural terminates.
29	Security violation during start of Natural. Login aborted due to too many login failures.
30	Natural system error message raised.
31	NAT0866 Your Natural nucleus is not a Natural Security nucleus.
32	Password check failed.
33	Lock manager cannot create/initialize semaphores.
34	No library is accessible or present in specified `FNAT`/`FUSER`. Check system file assignments and file attributes of `FNAT` and `FUSER` (directories and files).
35	Internal wfc i/o terminal driver error.
36	Internal XVT error.
37	DCOM Startup error.
38	Creation of runtime context failed.
39	Unable to find `NATDIR` and/or `NATVERS` environment variable. If you have set the `NATDIR` environment variable, please check that it does not contain invalid or whitespace characters! `NATVERS` should only contain the Natural version. The path must contain a valid drive ID.
40	Natural zmodem error.
41	Creation of TF table failed because there are entries with different database types from older parameter module. Check parameter module with Natural Configuration Utility.
42	Batch mode driver error.
43	Screen window size is too small.
44	Exit from SQL signal handler.
45	Unable to load add-on product.
46	Unable to access `FNAT` library `SYSLIB`. Insufficient privilege or file protection violation.
47	Unable to read `PARM_PATH` entry from *NATURAL.INI* file or directory is not accessible.
48	Unable to read `CONFIG_NAME` entry from *NATURAL.INI* file or file is not accessible.
50	Unable to read `NATCONV` entry from *NATURAL.INI* file or file is not accessible.
51	Unable to process `TMP_PATH` entry from *NATURAL.INI* file. Path '*path*' not accessible.
52	Unable to read `PROFILE_PATH` entry from *NATURAL.INI* file or directory is not accessible.
53	Unable to open local configuration file *NATURAL.INI*.`NATOSDEP`
54	Unable to read *NATCONF.CFG* for .
55	Unable to read *NATURAL.INI* for `NATEXTLIB`.
56	Unable to read `NATDIR` entry in *SAG.INI* file.

57	Not used.
58	Unable to read NATINI entry in *SAG.INI* file.
59	Unrecognized option '*option*' specified.
60	Not enough memory to initalize internal tables.
61	Batch error occurred, but processing continued due to CC=ON parameter.
62	More than one Natural session with active repository not allowed.
63	Natural session with active repository already running.
64	Failed to open FNAT's *LIBDIR.SAG*. Check presence and access protection.
65	The FNAT assigned to this Natural session is out of date.
66	The port number is missing.
67	The specified port number is already in use.
68	Invalid syntax ... encountered.
69	Initialization of Pal package failed.
70	Invalid port number encountered.
71	Listen on specified port failed.
72	This is an evaluation copy of Natural ... It is valid until...
73	The test period of this evaluation copy of Natural ... has expired. It was valid until...
74	...Natural error message '*nnnn*' received during startup...
75	The port number is not specified.
76	Wrong RPC version.
77	Invalid FDDM assignment.
78	The test period of this evaluation copy of Natural ... has expired. It was valid until...
79	The port number ... exceeds upper limit (99999).
85	Natural runtime startup error during context initialization.
86	Invalid code page [*name*] specified.
88	Conflicting buffer pool usage.

Note:
In order to receive the return code, you must run *nderun.exe* (as opposed to *naturalr.exe*).