# Procedures:

Log entering

## Input:

applicationName varchar(10);

programName varchar(10)

procedureName varchar(50);

parameters varchar(2000); - optional

## Use:

Write an entry of “entering” to the log file.

Log exiting

## Input:

applicationName varchar(10);

programName varchar(10)

procedureName varchar(50);

returnValue varchar(2000); - optional

## Use:

Write an entry of “exiting” to the log file.

log\_Log;

## Input:

applicationName varchar(10);

programName varchar(10);

procedureName varchar(50);

messageSeverity varchar(1);

message varchar(100);

details varchar(2000); -optional

## Use:

Write a log entry to the log file.

log\_isLoggable;

## Input:

applicationName varchar(10);

programName varchar(10);

messageSeverity varchar(1);

## Use:

Return true if the application attempting to write to the log file is configured for logging.

## Message Severity

* Error (E)
  + Job or task is ending immediately or is incomplete for some unexpected reason
  + Require an IT person to fix the situation
* Warning (W)
  + Potential problems (no email address?) or unusual situation (login credentials not valid)
* Information (I)
  + Job/Process starting or ending, CGI requests, invalid situation detected by program that was communicated to user
* Debug (D)
  + Developer troubleshooting assistance; log conditions and values
  + This level of logging is usually turned off
    - Only on when actively investigating a problem
  + Should cause a lot of events to be recorded
    - Doesn't make sense to have these sent to user profile or email as it is much easier to analyze the log file than separate messages

## Data area configuration

* Syntax is [\*|AppName.[\*|PgmName]]=E|W|I|D[,profile][,email]
  + Multiple notifications separated by a comma (,)
  + Multiple entries separated by a space
  + Don't use "\*.\*=" anything because "\*" is the same as "\*.\*"
* Examples
  + \*=E,qsysopr \*=I myProgram.testlog=D myProgram2.testlog2=W,marinaschwenk23@gmail.com
  + \*=E,qsysopr \*=I Leave.\*=W