

# TASK 2 - Function Projections

TASK 1 - Parsing Parameters

TASK 3 - Feedhandler concepts

## NECESSARY KNOWLEDGE

- Basic functions and function projections
- Workings of stdout
- Namespaces/Directories/Contexts within q

## I. AIM

Write function projections which log a string to stdout for various log levels (ERROR,WARN,INFO,DEBUG) using a pre-existing function as a basis.

## II. INSTRUCTIONS

1. Open utils.q in your chosen editor and locate the line:

```
.log.log:{[lvl;str]}
```

2. Examine the .log.log function and ascertain it's function.

3. Create four function projections, one for each of the log levels i.e. (DEBUG, INFO, WARN and ERROR), so that the projections log the relevant message when called.

## III. TESTING

Launch q from the directory you have saved utils.q with the command:

```
q utils.q
```

At the q prompt enter:

```
q).log.error["test"]
```

The function should return "2013.08.23T17:03:23.041 : ERROR test". The time should be different however the message "ERROR test" should remain the same.

Test each projection to ensure similar behavior.

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