

Appendix 1 - Conventions

The following typeface conventions are used to make the documentation clearer:

• Header

• Subheader

• `code`

- this style is used for all code examples, except see below.

• `meta-variable`

- this is used for meta-variables in the code, for example `int` would mean that an integer or integer valued function or parameter should be used in that place.

• `function template` (as for code, but black rather than blue)

- this is used for syntactic definition of a function - what types required, what types returned.

• `source code for function`

- this is used where a piece of source code is given without supporting text, for example the source code of a library.

• `warning`

- this is used for any text that needs to stand out.

In the function documentation, usually there is

- a subheader (these may be grouped),
- a description of the function,
- the syntactic template,
- the source code if any (sometimes 'direct coded' is used)
- any examples.

For example:

length

`length` returns the number of elements in a list passed to it.

```
length[list ]-> int ;
```

```
length[] -> 0;  
length[a,.b] -> length[b]+1;
```

Example:

```
length[41,42,4,3,9,44] -> 4
```