



What is in a Standard Library?

- Things that you simply can't implement on your own.
 - Creating a timer, opening a file, etc.
- Things that are so common a "standardized" version will save you time and effort
 - List.map, string concatenation, etc.
 - A standard library makes writing and reading code easier.
 - Common operations don't have to be implemented, and
 - are immediately recognizable.

Standard Library Documentation

Online Documentation

- http://www.standardml.org/Basis/index.html
- http://www.smlnj.org/doc/smlnj-lib/Manual/toc.html

Helpful Subset

- Top-Level <u>http://www.standardml.org/Basis/top-level-chapter.html</u>
- List <u>http://www.standardml.org/Basis/list.html</u>
- ListPair <u>http://www.standardml.org/Basis/list-pair.html</u>
- Real <u>http://www.standardml.org/Basis/real.html</u>
- String <u>http://www.standardml.org/Basis/string.html</u>

Anonymous Functions

fn pattern => expression

- An expression that evaluates to a new function with no name
- Usually used as an argument or returned from a higher-order function
- Almost equivalent to the following:

let fun name pattern = expression in name end

• The difference is that anonymous functions cannot be recursive!











