



























Declaring values

```
let x = 1;;
let x1 : !alice int = 42;;
let x2 : !bob int = 53;;
```

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Anonymous functions and lists let succ = function x -> x + 1;;

```
let half = function x -> x lsr 1;;
let l1 = [1; 2; 3; 4];;
let l2 = [x1; x2];;
```

Defining functions

```
let rec length = function
   [] -> 0
   |__ :: tl -> 1 + length tl;;
let rec mem0 = function
   [] -> false
   | hd :: tl -> hd = 0 || mem0 tl
;;
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```

















