

Currying

[See this explanation of currying](#)

One of many effects this has

when writing a type signature in OCaml, \rightarrow is *right associative*. This means that these two type signatures are the same:

```
val f1 : 'a -> 'b -> 'c
val f2 : 'a -> ('b -> 'c)
```

This has the effect of being able to write the same function multiple ways:

```
val f1 : 'a -> 'b -> 'c
let f1 x y = ("do something to get a 'c");;

val f2 : 'a -> ('b -> 'c)
let f2 x =
  let returnedFunction y = ("do something to get a 'c")
  in
    returnedFunction;;
```