Welcome to utop version 2.0.2 (using OCaml version 4.06.0)!

Type #utop_help for help about using utop.

```
utop # List.map ;;
- : ('a -> 'b) -> 'a list -> 'b list = <fun>
utop # let inc x = x + 1;
val inc : int -> int = <fun>
utop # List.map inc [1;2;3;4;5] ;;
_____{{ counter: 0 }-
-( 13:32:25 )-< command 3 >---
utop # List.map Char.code ['e'; 'E'; 'z'; '8'] ;;
val implode : char list -> string = <fun>
val explode : string -> char list = <fun>
val map : ('a -> 'b) -> 'a list -> 'b list = <fun>
                         -( 13:33:00 )-< command 5 >----
utop # map Char.code ['e'; 'E'; 'z'; '8'];;
utop # List.filter ;;
utop # List.filter (fun s -> String.length = 6) ["hello"; "planet"; "lane"] ;;
Error: This expression has type int but an expression was expected of type
     string -> int
utop # List.filter (fun s -> String.length s = 6) ["hello"; "planet"; "lane"]
;;
utop # 'A' > 'D' ;;
- : bool = false
utop # 'A' > 99 ;;
Error: This expression has type int but an expression was expected of type
utop # #use "higher_order.ml";;
val implode : char list -> string = <fun>
val explode : string -> char list = <fun>
val map : ('a -> 'b) -> 'a list -> 'b list = <fun>
val removeABCD : char list -> char list = <fun>
```

```
val foldl : ('a -> 'b -> 'a) -> 'a -> 'b list -> 'a = <fun>
                                                      _____{ counter: 0 }_
-( 13:52:12 )-< command 12 >---
utop # foldl (+) 100 [1;2;3] ;;
-: int = 106
                                                   _____{ counter: 0 }-
-( 14:00:25 )-< command 13 >----
utop # List.fold right ;;
-: ('a -> 'b -> 'b) -> 'a list -> 'b -> 'b = <fun>
                                                         ____{ counter: 0 }-
-( 14:00:55 )-< command 14 >----
utop # List.fold right (fun x xs -> x :: xs) [1;2;3;4;5] [] ;;
-: int list = [1; 2; 3; 4; 5]
                                           _____{{ counter: 0 }-
-( 14:05:13 )-< command 15 >--
utop # let l = 1 :: (2 :: ()3 :: []) ;;
Error: The constructor () expects 0 argument(s),
      but is applied here to 1 argument(s)
                                                    _____{ counter: 0 }-
-( 14:06:08 )-< command 16 >----
utop # let l = 1 :: (2 :: (3 :: [])) ;;
val l : int list = [1; 2; 3]
                                                       _____{ counter: 0 }-
-( 14:07:12 )-< command 17 >---
utop # let s = 1 + (2 + (3 + 0));;
val s : int = 6
-( 14:07:21 )-< command 18 >----
                                                        ____{ counter: 0 }-
utop # List.fold right (+) l 0 ;;
-: int = 6
-( 14:07:35 )-< command 19 >----
                                                     _____{ counter: 0 }-
utop # let s_from_the_left = ((0 + 1) + 2) + 3 ;;
val s_from_the_left : int = 6
-( 14:08:23 )-< command 20 >----
                                                        ____{ counter: 0 }-
utop #
Arg | Array | ArrayLabels | Assert_failure | Bigarray | Buffer | Bytes | BytesLabels | Callb
```