

Last login: Fri Jan 27 15:34:23 on ttys025
carbon:SamplePrograms\$ cd Sec_10_3\:35pm/
carbon:Sec_10_3:35pm\$ utop

Welcome to utop version 1.14 (using OCaml version 4.01.0)!

Type #utop_help for help about using utop.

```
-( 18:00:00 )-< command 0 >-----{ counter: 0 }-
utop # (1,2,"hello");;
- : int * int * string = (1, 2, "hello")
-( 15:34:41 )-< command 1 >-----{ counter: 0 }-
utop # 1 + 2 * 3 ;;
- : int = 7
-( 15:59:53 )-< command 2 >-----{ counter: 0 }-
utop # let foo x = x ;;
val foo : 'a -> 'a = <fun>
-( 16:02:08 )-< command 3 >-----{ counter: 0 }-
utop # let foo x = (x, x+2, "OK") ;;
val foo : int -> int * int * string = <fun>
-( 16:02:59 )-< command 4 >-----{ counter: 0 }-
utop # let foo x = (x, "OK") ;;
val foo : 'a -> 'a * string = <fun>
-( 16:03:41 )-< command 5 >-----{ counter: 0 }-
utop # 7 - 4 - 2 ;;
- : int = 1
-( 16:04:14 )-< command 6 >-----{ counter: 0 }-
utop # (1,'c',"C") ;;
- : int * char * string = (1, 'c', "C")
-( 16:07:23 )-< command 7 >-----{ counter: 0 }-
utop # (1,('c',"C")) ;;
- : int * (char * string) = (1, ('c', "C"))
-( 16:07:53 )-< command 8 >-----{ counter: 0 }-
utop # ((1,'c'),"C") ;;
Error: Syntax error
-( 16:08:01 )-< command 9 >-----{ counter: 0 }-
utop # ((1,'c'),"C") ;;
- : (int * char) * string = ((1, 'c'), "C")
-( 16:08:20 )-< command 10 >-----{ counter: 0 }-
utop # if 3 > 4 then 5 else 6 ;;
- : int = 6
-( 16:08:22 )-< command 11 >-----{ counter: 0 }-
utop # let p : int * char = (1,'c');;
val p : int * char = (1, 'c')
-( 16:12:21 )-< command 12 >-----{ counter: 0 }-
utop # #use "find_all_lookup.ml";;
val m : (string * int) list =
  [("dog", 1); ("chicken", 2); ("dog", 3); ("cat", 5)]
val lookup_all : 'a -> ('a * 'b) list -> 'b list = <fun>
val find_all_by : ('a -> 'b -> bool) -> 'b -> 'a list -> 'a list = <fun>
-( 16:12:21 )-< command 13 >-----{ counter: 0 }-
utop # let eqstr s1 s2 = s1=s2 ;;
val eqstr : 'a -> 'a -> bool = <fun>
```

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-( 16:25:35 )-< command 14 >-----{ counter: 0 }-
utop # find_all_by eqstr "Hello" ["Hello"; "Goodbye"; "I want to go home" ] ;;
- : string list = ["Hello"]
-( 16:26:00 )-< command 15 >-----{ counter: 0 }-
utop #
```

Arg	Arith_status	Array	ArrayLabels	Assert_failure	Big_int	Bigarray	Buffer	Callb
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