# Local environment manipulation by LET
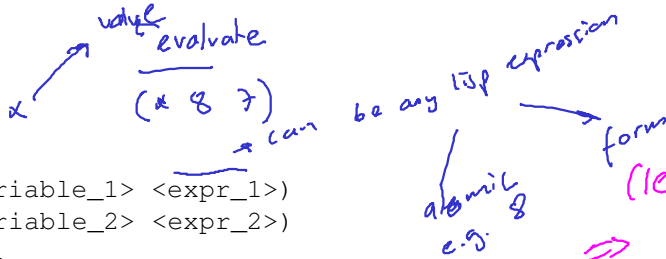
Umut Özge

COGS 502: Symbols and Programming
METU, Informatics

```
(let ((x 8)
      (y 7))
  (* x y))
```

Local manipulation

```
(let ((<variable_1> <expr_1>)
      (<variable_2> <expr_2>)
       .
       .
       .
      (<variable_n> <expr_n>))
     <body>
     )
```

value
evaluate
x
(* 8 7)

← can be any lisp expression

atomic
e.g. 8

form
(let ((x 8))
     (let ((y (+ x 3))
          <body>))

(let* ((x  8)
       (y (+ 3 x)))    error
      (/ x  y))

"syntactic sugar"

cond ⇒ if's