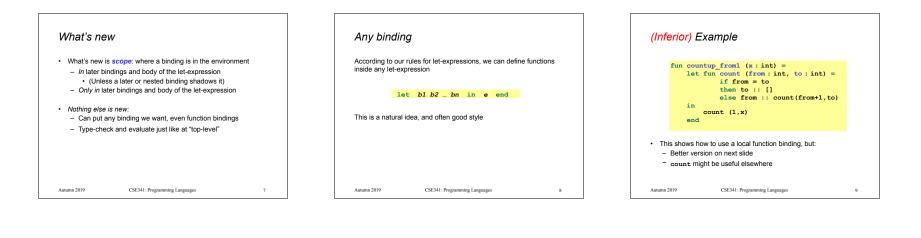
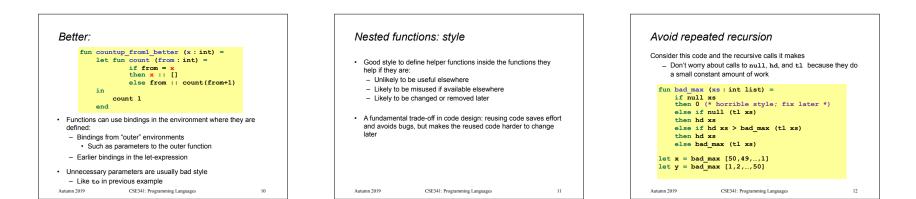
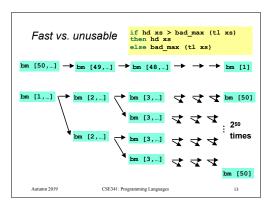
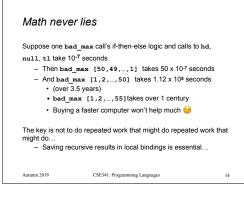


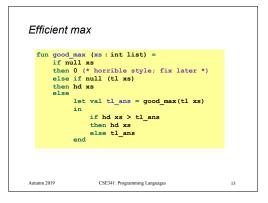
	<pre>y examples fun silly1 (z:int) = let val x = if z > 0 then z else 34 val y = x+z+9 in if x > y then x*2 else y*y end fun silly2 () = let val x = 1 in (let val x = 2 in x+1 end) + (let val y = x+2 in y+1 end) end</pre>	
-	r2 is poor style but shows let-expressions are expression Can also use them in function-call arguments, if branche Also notice shadowing	

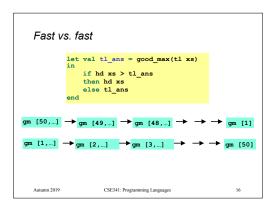












Options

t option is a type for any type t
 (much like t list, but a different type, not a list)

Building:

NONE has type 'a option (much like [] has type 'a list)
SOME e has type t option if e has type t (much like e::[])

Accessing:

- isSome hastype 'a option -> bool
- valOf has type 'a option -> 'a (exception if given NONE)

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E	Example			
f	<pre>un better max (xs : int list) = if null xs then NONE else let val tl_ans = better_max(tl xs) in if isSome tl_ans andalso valOf tl_ans > hd xs then tl_ans else SOME (hd xs) end </pre>			
• •	<pre>better_max = fn : int list -> int option lothing wrong with this, but as a matter of style might prefer not o do so much useless "valof" in the recursion</pre>			
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