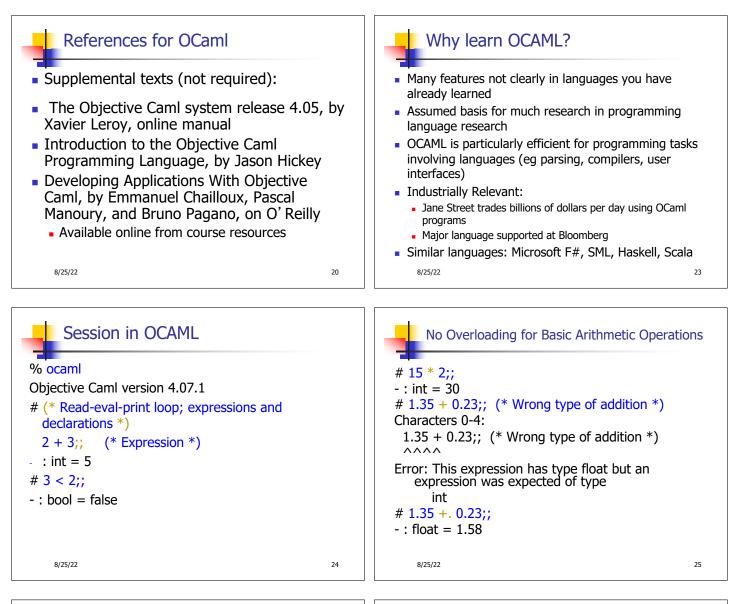
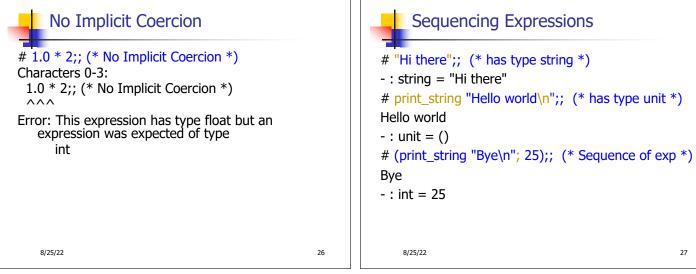
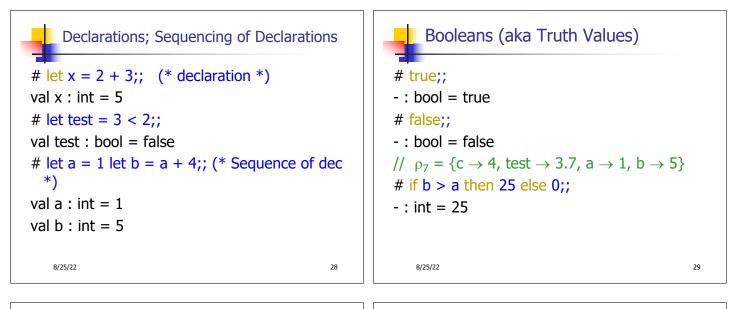
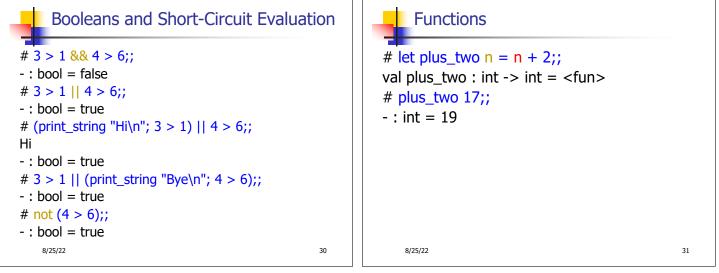


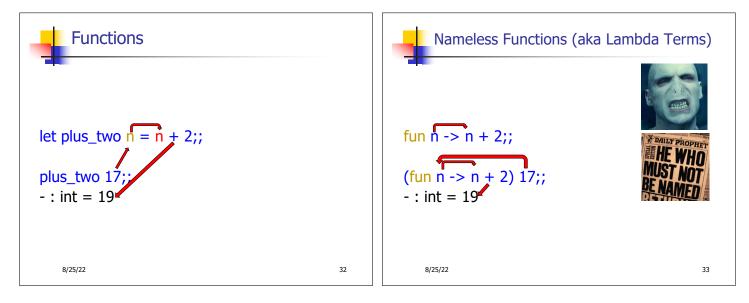
Some Course References	5	Some Course Refere	ences
No required textbook		<ul> <li>No required textbook.</li> </ul>	
-		<ul> <li>Pictures of the books on previous slide</li> </ul>	
• Some suggested references	modurn compiler implementation in ML	<ul> <li>Essentials of Programming Laby Daniel P. Friedman, Mitch Christopher T. Haynes, MIT F</li> <li>Compilers: Principles, Techniknown as "The Dragon Book Ullman. Published by Addisor 201-10088-6.</li> <li>Modern Compiler Implementa W. Appel, Cambridge University</li> </ul>	anguages (2nd Edition ell Wand and Press 2001. ques, and Tools, (also "); by Aho, Sethi, and n-Wesley. ISBN: 0- ation in ML by Andrew
		<ul> <li>Additional ones for Ocaml give</li> </ul>	en separately
8/25/22	13	8/25/22	14
Course Grading Assignments 10% Web Assignments (WA) (~5%) MPs (in Ocaml) (5~%) All WAs and MPs Submitted by F Late submission penalty: 20% to		<ul> <li>Course Grading</li> <li>2 Midterms - 25% each</li> <li>Sep 29, Nov 10</li> <li>BE AVAILABLE FOR THE</li> <li>Final 40%</li> <li>Fall back: 7:00pm-10:00p 13</li> <li>Percentages are approxin</li> </ul>	om., Tuesday Dec.
8/25/22	15	8/26/22	16
<ul> <li>You may discuss assignments – WA 8 others</li> <li>You may work in groups, but you muswith whom you worked if you sharsolution outlines</li> <li>Each student must write up and town solution separately</li> <li>You may look at examples from class examples from any source – cite app</li> <li>Note: University policy on plagiarism syour sources if you are not the sole ar solution</li> <li>Do not have to cite course notes or magination</li> </ul>	eir solutions with st <b>list members</b> re solutions or <b>turn in their</b> and other similar <b>propriately</b> still holds - cite uthor of your	<ul> <li>OCAML</li> <li>Locally: <ul> <li>Will use ocaml inside VSCc problems this semester</li> </ul> </li> <li>Globally: <ul> <li>Main CAML home: <u>http://cc</u></li> <li>To install OCAML on your of <u>http://ocaml.org/docs/inst</u></li> <li>To try on the web: <u>https://</u></li> <li>More notes on this later</li> </ul> </li> </ul>	ocaml.org computer see: all.html

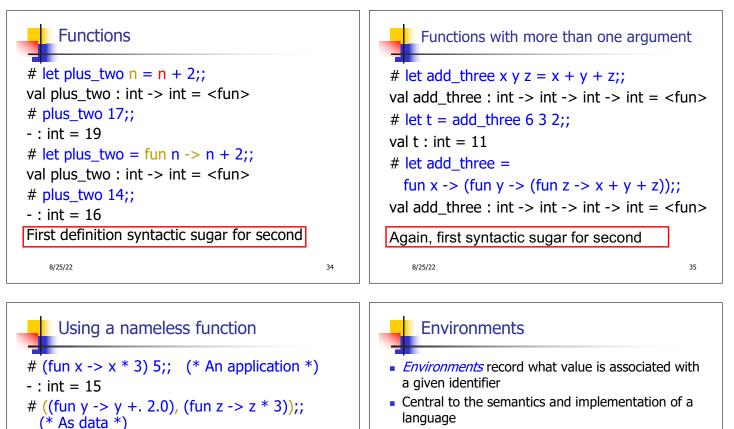












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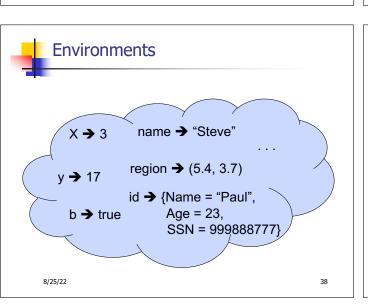
Notation

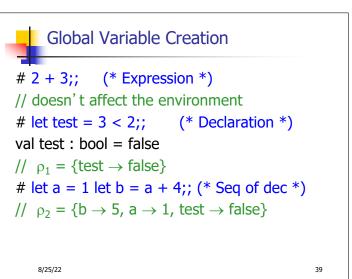
8/25/22

- : (float -> float) \* (int -> int) = (<fun>, <fun>)

Note: in fun v -> exp(v), scope of variable is only the body exp(v)

8/25/22





 $\rho = \{\mathsf{name}_1 \rightarrow \mathsf{value}_1, \mathsf{name}_2 \rightarrow \mathsf{value}_2, \ldots\}$ 

37

Using set notation, but describes a partial function

To find value start from left and take first match

Often stored as list, or stack

