## 7 Control Flow - Expressions

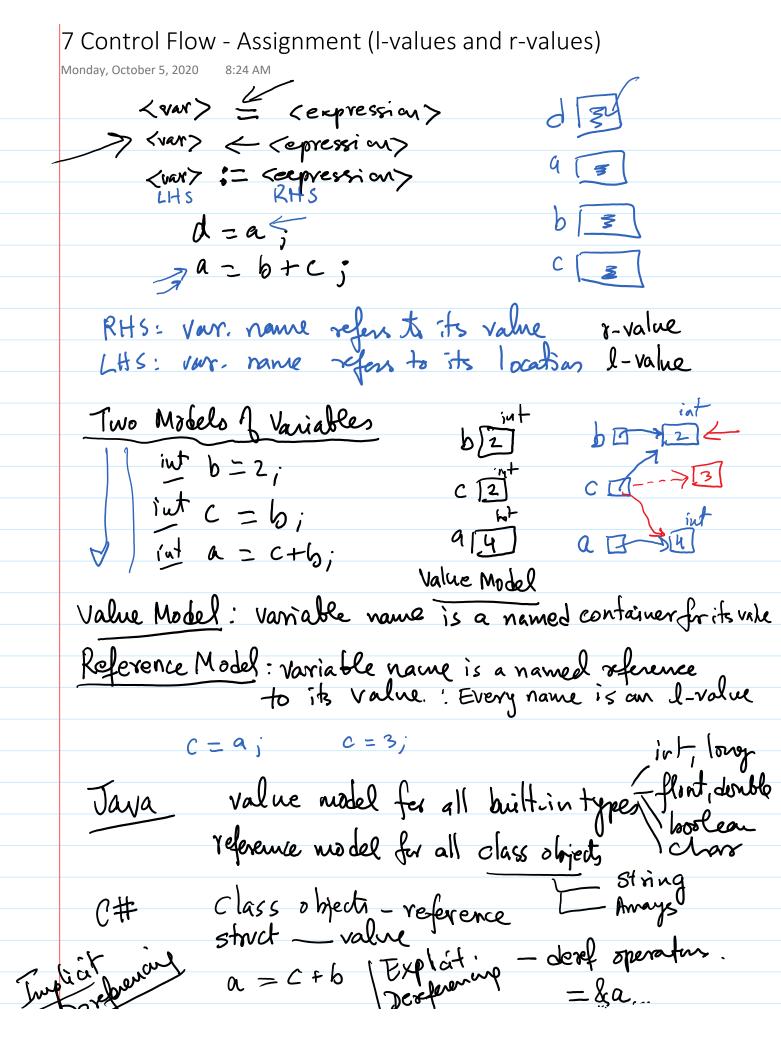
Monday, October 5, 2020 8:40 AM

\* Exam 1 is on thursday. \* No Lab this week

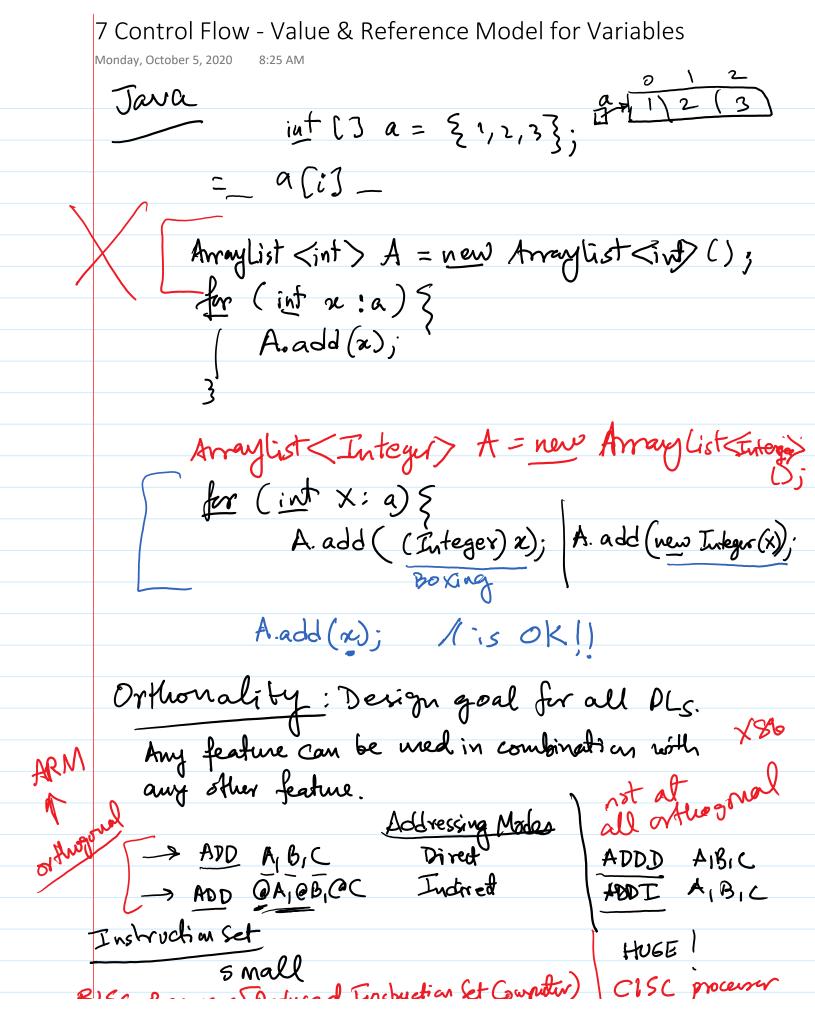
Refers to the flow of control of execution. Every programming language provides several mechanisms: Sequencing, selection, repetition/Iteration, procedures/functions, recursion, concurrency, exception handling, non-determinacy.

Expressions	
Expressions · literals	2767, true, - 4.02, "Hello"
	<b>-</b> 4
· basic expresions	a+b, a / b, a <= b, la, a   b
Infix expr: operand o	perater sperand2 binary unany
operator op	perater sperand2 binary unany
Prefix opr: operator of	serand sperand 2 + a b
Postfix expor: operator of	permed 2 operator a b +
	<u> </u>
(* (+ 13°)	) 2) = (1+3) * 2
D 1 0 1	
Precedence Rules	Java Pythan
C: ++, post i++, i	Jova  Python  ** x**y=xt  Vnany  *//, %
++, prei,++i - unary	) Unary
2,*	X, 1, %
1	+,-
×, 7, 0/0	<1<=/>>/>=
<, <=, >,>=	not
≈= , !=	and
22	lawleda
)(	) law occ

7 Control Flow - Conditional Operator (?:)  Thursday, October 1, 2020 8:40 AM
Left arrociative a+b+c
Right-amociative X** y * * 8
$(x^y)^y$ or $xy^z$
(x **y) **y
Conditional operator ?: a?b: 5
Ternary operator  if (a>b) max=a>b?a:b;
$\frac{\text{max} = a}{\text{else}}$ $\frac{\text{else}}{\text{max} = b}$
max = b
C, C++, Java, C++, Javascipt, Suift max = a > 6? a : 6  Note = a if a > b else 6
Haskell max = if a > 6 then a else b
CHAMA CAA A SWD
(self max (if (> a b) a b))  ((cond (> a b) a b))
Rust let max = if a > 6 & a \ elektre
PLS THE THE PLANT OF THE PLANT
mentione pls
Rust  let max = if a > b \(\frac{2}{3}\) eless  media  myntation is varied out in a expressions  assignment statements



a = C+6 Desterning = &a...



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