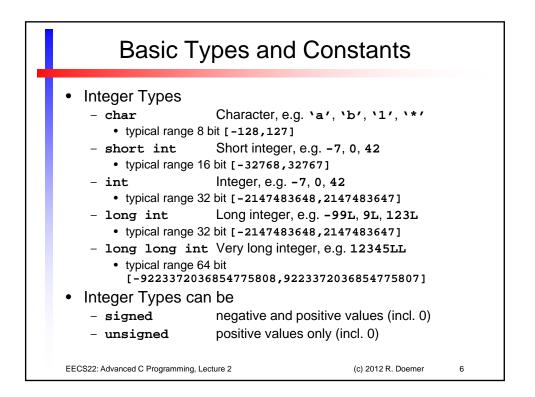
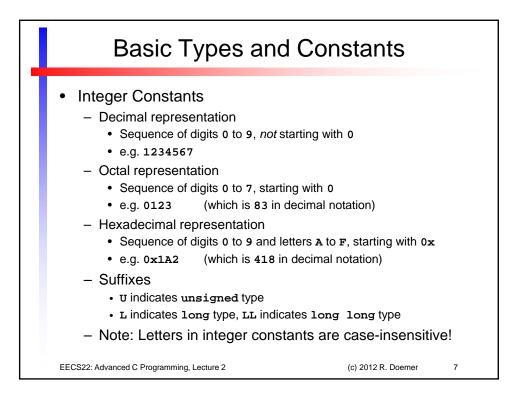
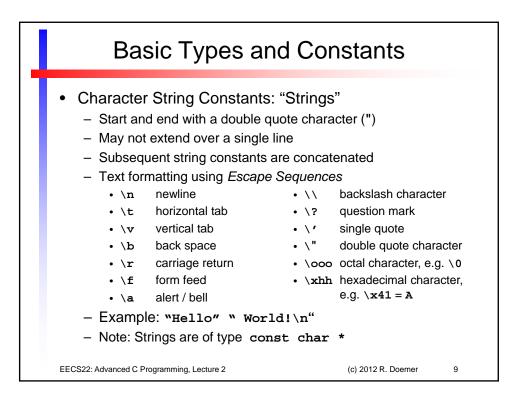


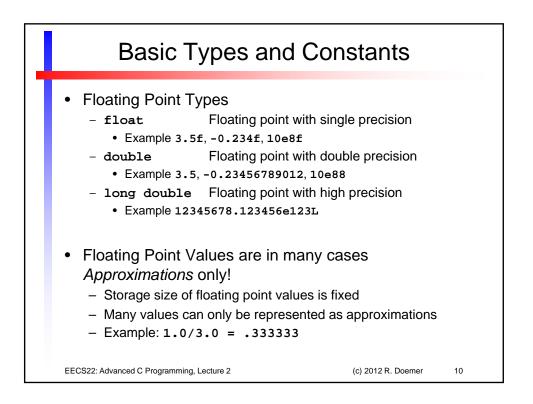
Keywords in C
 List of Keywords in ANSI-C auto - double - int - struct break - else - long - switch case - enum - register - typedef char - extern - return - union const - float - short - unsigned continue - for - signed - void default - goto - sizeof - volatile do - if - static - while
 These keywords are reserved! These cannot be used as identifiers. More keywords are reserved for C++

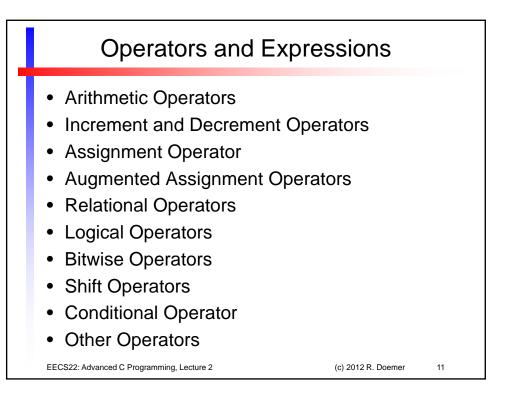


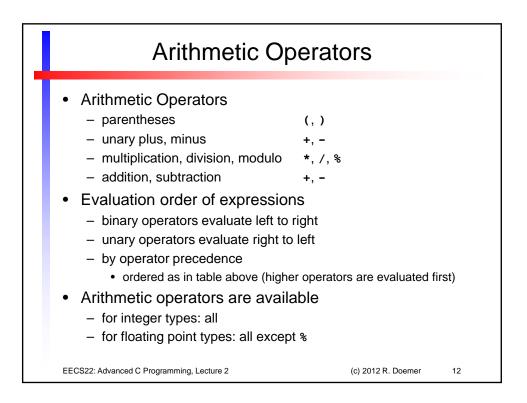


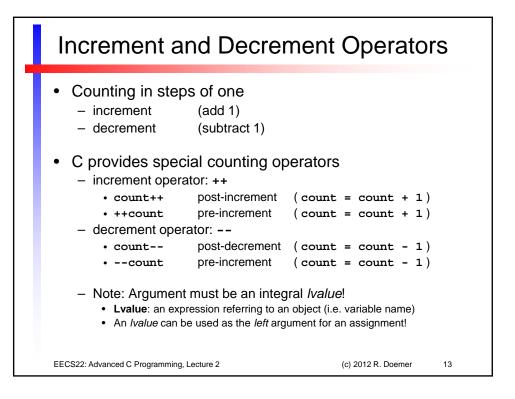
	Basi	ic Ty	pes a	and C	Const	tants	
ASCII Table: Numerical Representation of Characters							
– Aı	merican	Standar	d Code f	or Inform	nation Int	erchang	е
0 NUL	1 SOH	2 STX	3 ETX	4 <i>EOT</i>	5 <i>ENQ</i>	6 ACK	7 BEL
8 <i>BS</i>	9 HT	10 <i>NL</i>	11 VT	12 NP	13 CR	14 <i>SO</i>	15 <i>SI</i>
16 <i>DLE</i>	17 <i>DC1</i>	18 DC2	19 DC3	20 DC4	21 NAK	22 SYN	23 ETB
24 CAN	25 <i>EM</i>	26 <i>S</i> UB	27 ESC	28 FS	29 <i>GS</i>	30 <i>RS</i>	31 <i>US</i>
32	33 !	34 "	35 #	36 \$	37 %	38 &	39 '
40 (41)	42 *	43 +	44 ,	45 -	46 .	47 /
48 0	49 1	50 2	51 3	52 4	53 5	54 6	55 7
56 8	57 9	58 :	59 ;	60 <	61 =	62 >	63 ?
64 @	65 A	66 B	67 C	68 D	69 E	70 F	71 G
72 H	73 I	74 J	75 K	76 L	77 M	78 N	79 O
80 P	81 Q	82 R	83 S	84 T	85 U	86 V	87 W
88 X	89 Y	90 Z	91 [92 \	93]	94 ^	95 _
96 [`]	97 a	98 b	99 c	100 d	101 e	102 f	103 g
104 h	105 i	106 j	107 k	108 1	109 m	110 n	111 o
112 p	113 q	114 r	115 s	116 t	117 u	118 v	119 w
120 x	121 y	122 z	123 {	124	125 }	126 ~	127 DEL

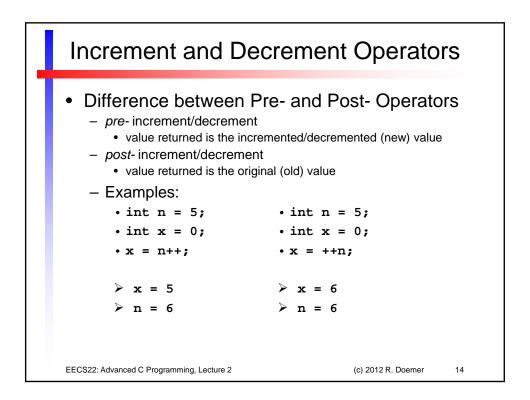


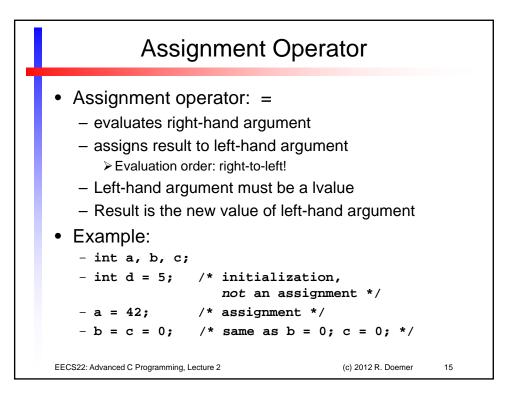


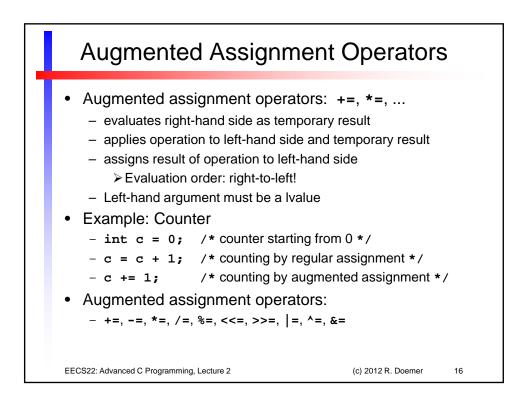


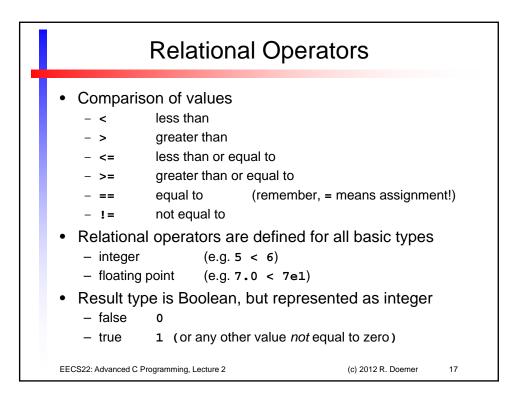


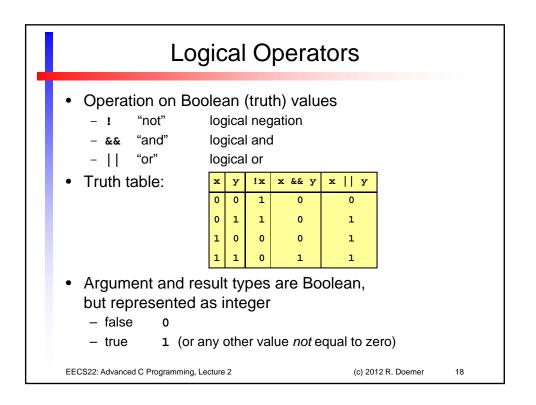


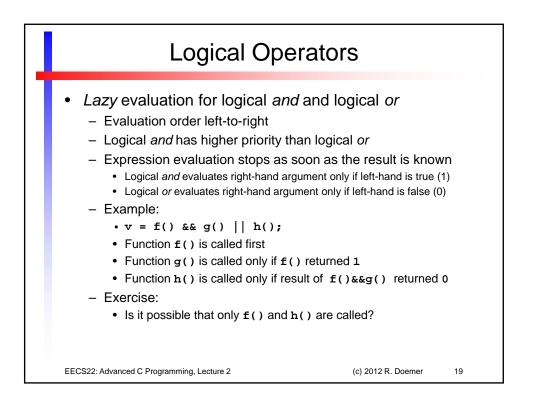




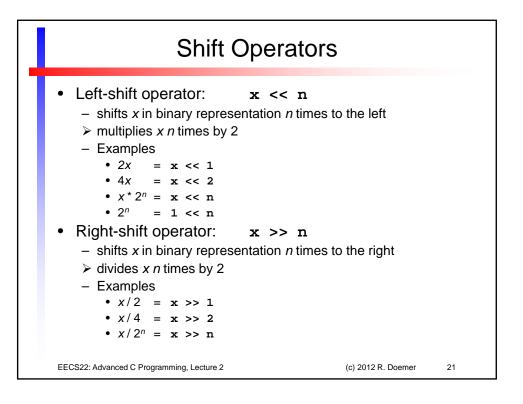


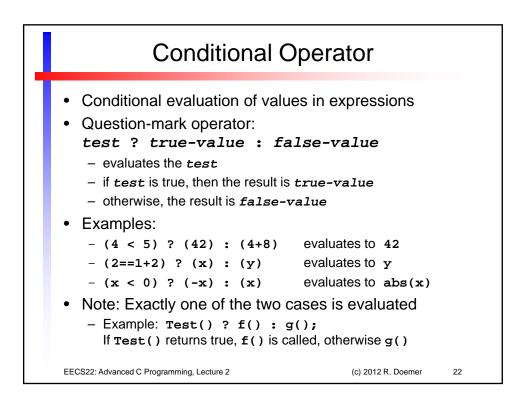


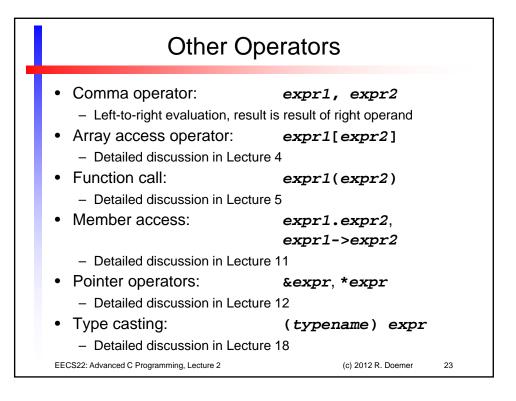


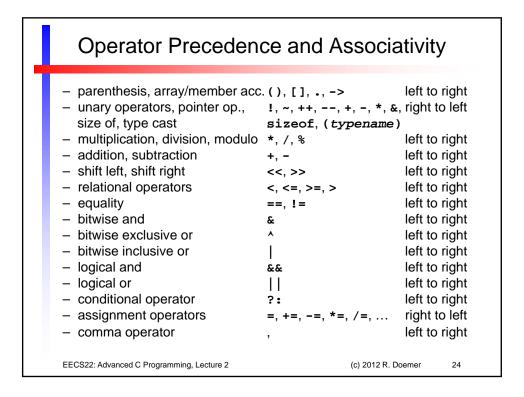


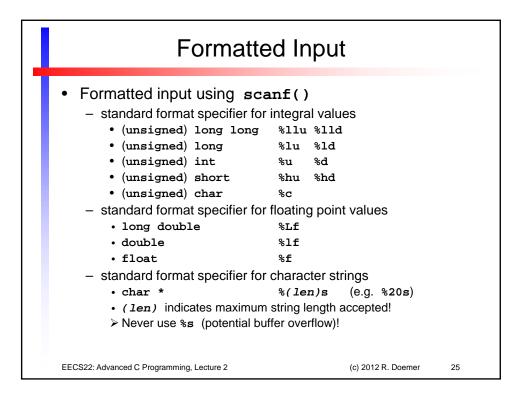
Bitwise Op	erators
 Operators for bit manipulation & bitwise "and" bitwise inclusive "or" > bitwise exclusive "or" < left shift 	$0xFF \& 0xF0 = 0xF0$ $0xFF 0xF0 = 0xFF$ $0xFF ^{0} 0xF0 = 0x0F$
 - << right shift - >> right shift - ~ bitwise negation (one's complement) > Bitwise operators are only available 	$0 \times 0F << 4 = 0 \times F0$ $0 \times F0 >> 4 = 0 \times 0F$ $\sim 0 \times F0 = 0 \times 0F$ ilable for integral types
 Typical usage Mask out some bits from a value c = c & 0x0F extracts low Set a set of bits in a value c = c 0x0F sets lowest 	ue vest 4 bits from char c
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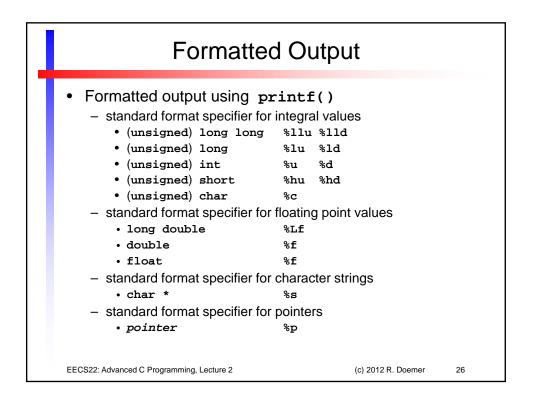


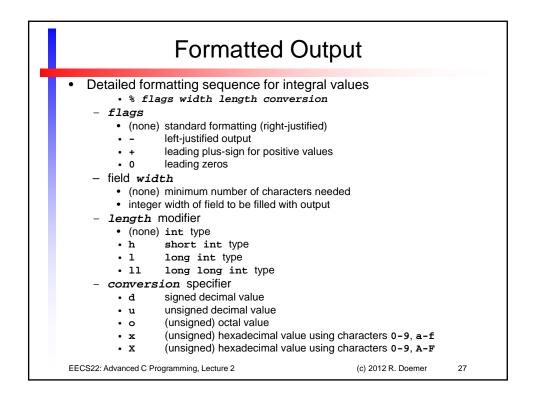


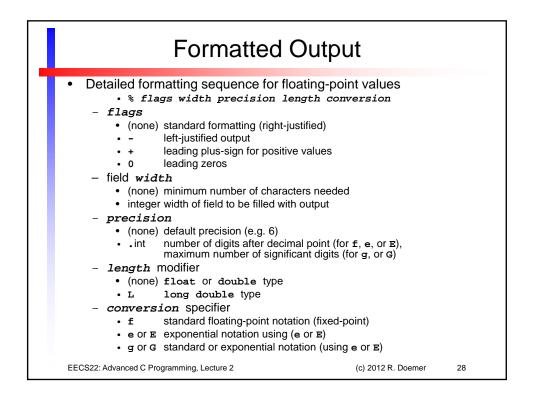


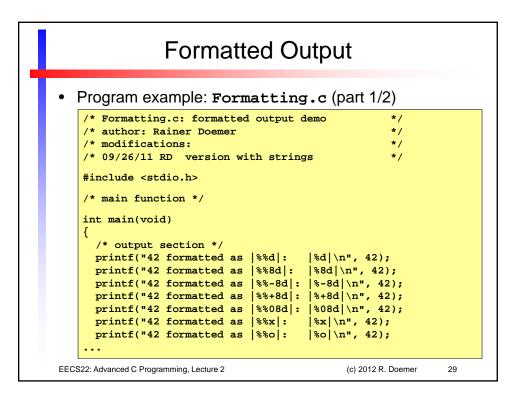












Formatted Out	put
• Program example: Formatting.	c (part 2/2)
<pre> printf("\n"); printf("123.456 formatted as %%f : printf("123.456 formatted as %%e : printf("123.456 formatted as %%g]: printf("123.456 formatted as %%12.4f printf("123.456 formatted as %%12.4g printf("\n"); printf("\n"); printf("\"abc\" formatted as %%12s : /* exit */ return 0; } /* end of main */ /* EOF */</pre>	<pre>%e \n", 123.456); %g \n", 123.456); %12.4f \n", 123.456); %12.4e \n", 123.456); %12.4e \n", 123.456); %12.4g \n", 123.456);</pre>
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