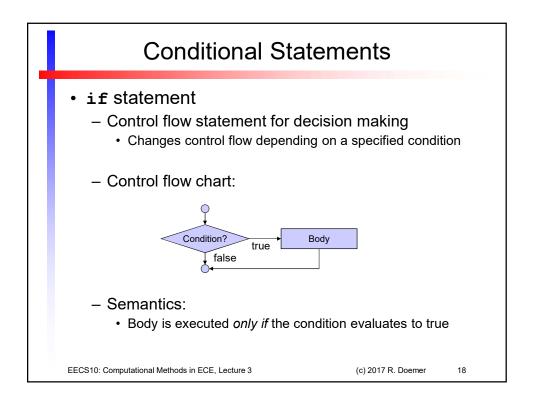
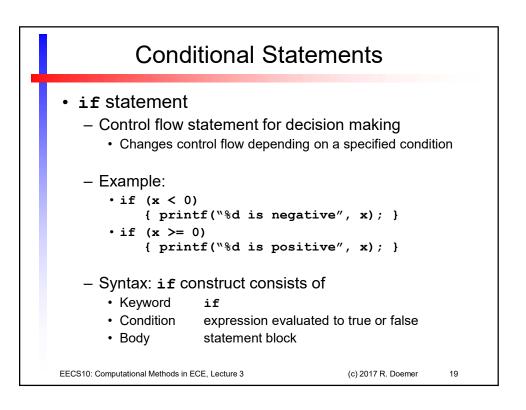
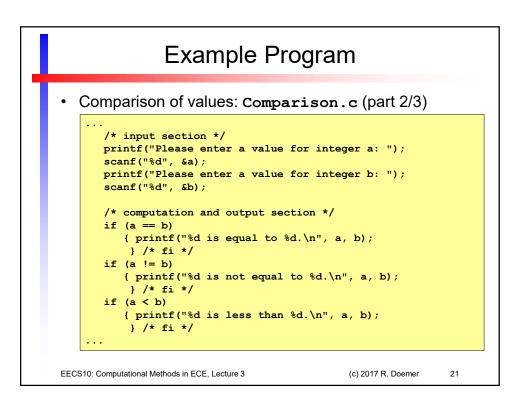


Operator Evalua	ition Orde	er
<ul> <li>Associativity: left to right or rig</li> <li>Precedence: group-wise, top t <ul> <li>parentheses</li> <li>unary plus, minus, negation</li> <li>type casting</li> <li>multiplication, division, modulo</li> <li>addition, subtraction</li> <li>shift left, shift right</li> <li>relational operators</li> <li>equality</li> <li>logical and</li> <li>logical or</li> <li>conditional operator</li> <li>assignment operator</li> </ul> </li> </ul>		n/a right to left right to left left to right left to right
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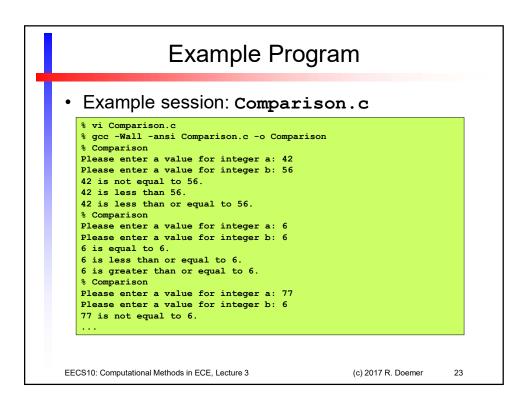


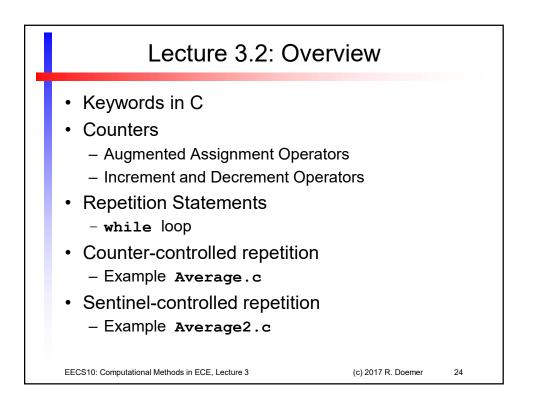


Example Program
<pre>• Comparison of values: Comparison.c (part 1/3) /* Comparison.c: arithmetic comparisons */ /* */ /* author: Rainer Doemer */ /* */ /* modifications: */ /* modifications: */ /* 10/07/04 RD initial version */ #include <stdio.h> /* main function */ int main (void) {    /* variable definitions */    int a, b;</stdio.h></pre>
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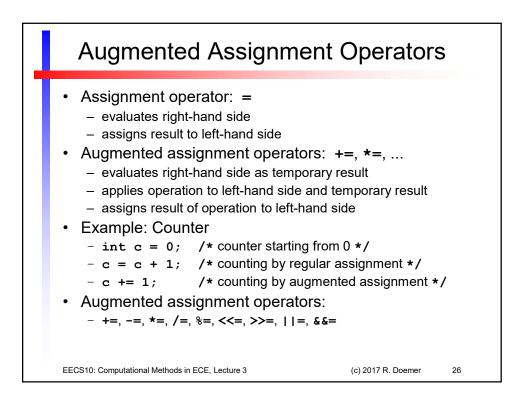


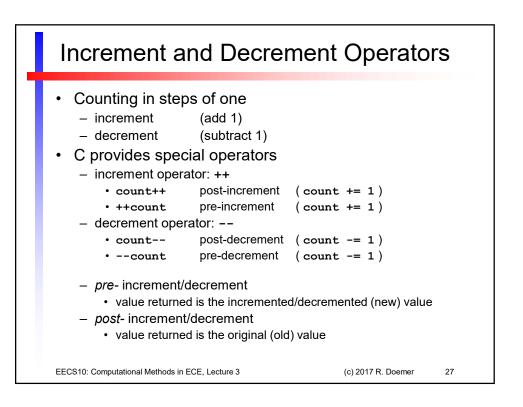
Example Progra	am
Comparison of values: Comparison	on.c (part 3/3)
<pre>     if (a &gt; b)       { printf("%d is greater than %d.       } /* fi */     if (a &lt;= b)       { printf("%d is less than or equ       } /* fi */     if (a &gt;= b)       { printf("%d is greater than or       } /* fi */</pre>	al to $d.\n$ , a, b);
<pre>/* exit */    return 0; } /* end of main */ /* === +(</pre>	
/* EOF */	
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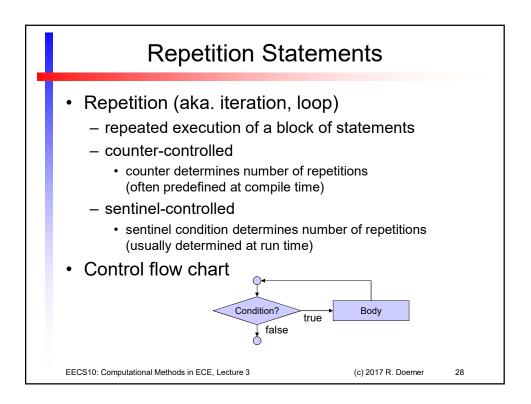


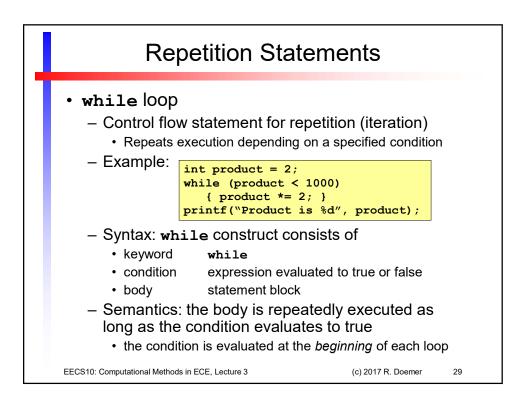


	Keywor	ds in C		
<ul> <li>List of keywo</li> </ul>	rds in AN	SI-C		
- auto -	double	- int	- struct	
- break -	else	- long	- switch	
– case –	enum	- register	- typedef	
- char -	extern	- return	- union	
- const -	float	- short	- unsigned	
- continue -	for	- signed	- void	
- default -	goto	- sizeof	- volatile	
- do -	if	- static	- while	
– These keyw – Keywords ca – More keywo	annot be us	ed as identi		
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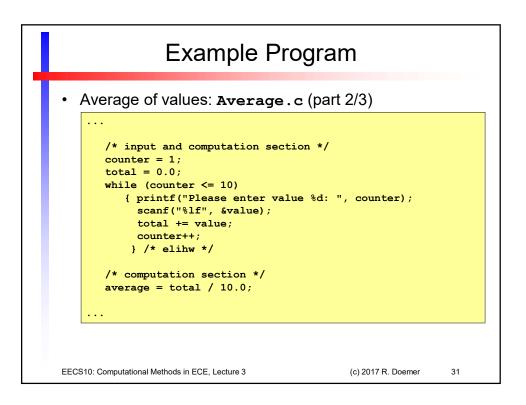




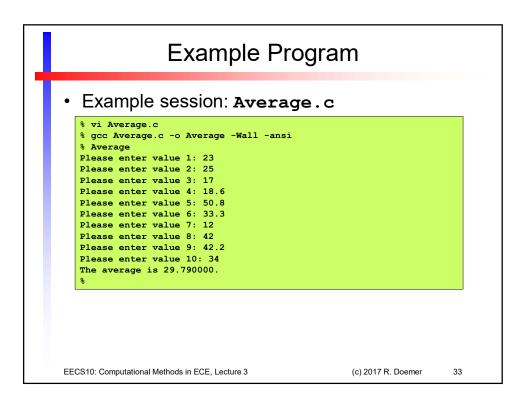


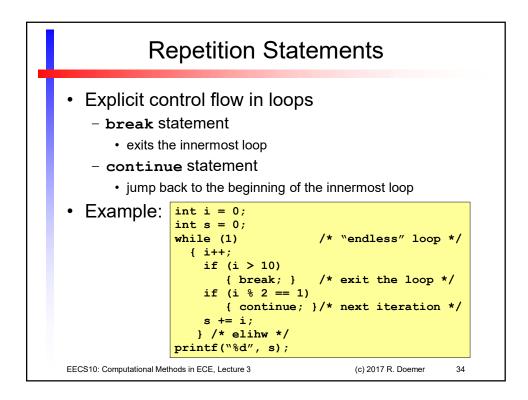


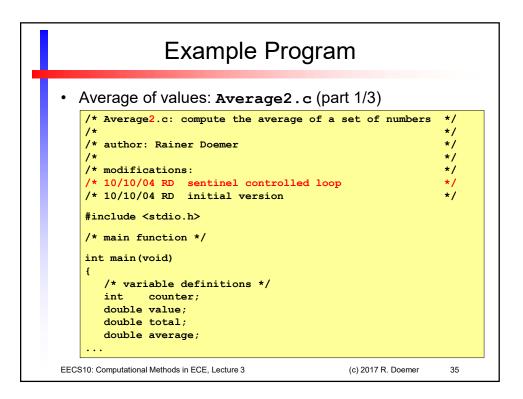
Example Program	
<pre>• Average of values: Average.c (part 1/3) /* Average.c: compute the average of a set of numbers /* /* author: Rainer Doemer /* /* modifications: /* 10/10/04 RD initial version #include <stdio.h> /* main function */ int main (void) { /* variable definitions */</stdio.h></pre>	*/ */ */ */
<pre>int counter; double value; double total; double average;</pre>	
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Example Progra	am	
<pre>• Average of values: Average.c (pa</pre>		
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<pre>• Average of values: Average2.c (part 2/3)</pre>	Example Program
{ break;	<pre>nd computation section */ 0; 0; f("Please enter a value (or -1 to quit): "); ("%lf", &amp;value); alue == -1.0) break;</pre>
<pre>} /* fi */ total += value; counter++; } /* elihw */</pre>	+= value; er++;

Example Prog	ram	
<ul> <li>Average of values: Average2.c</li> </ul>	(part 3/3)	
<pre>/* computation and output section printf("%d values entered.\n", co if (counter &gt;= 1) { average = total / (double)co printf("The average is %f.\n } /* fi */ /* exit */ return 0; } /* end of main */</pre>	unter); unter;	
/* EOF */		
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• Example Pr	
<pre>% vi Average2.c % gcc Average2.c -o Average2 -Wall -an % Average2 Please enter a value (or -1 to quit): A values entered. The average is 3.500000. % Average2 Please enter a value (or -1 to quit): 0 values entered. %</pre>	nsi 2 3 4 5 -1
0 values entered.	

