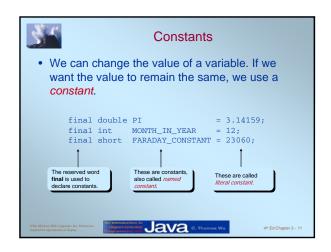
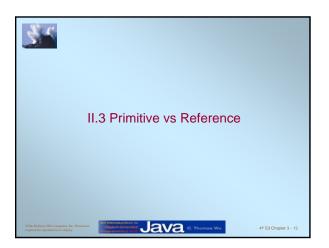
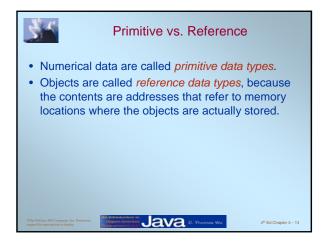


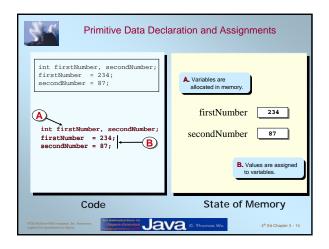
		5.	differ in the precision nemory.	on of values
Data Type	Content	Default Value [†]	Minimum Value	Maximum Value
byte	Integer	0	-128	127
short	Integer	0	-32768	32767
int	Integer	0	-2147483648	2147483647
long	Integer	0	-9223372036854775808	9223372036854775807
float	Real	0.0	-3.40282347E+38 [‡]	3.40282347E+38
double	Real	0.0	-1.79769313486231570E+308	1.79769313486231570E+308

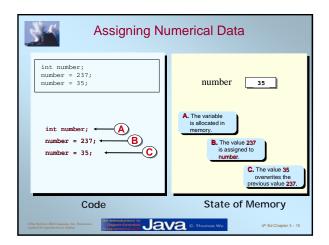


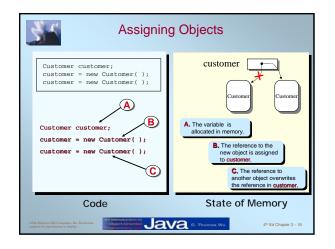


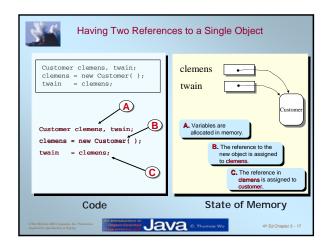




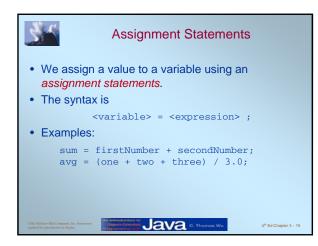


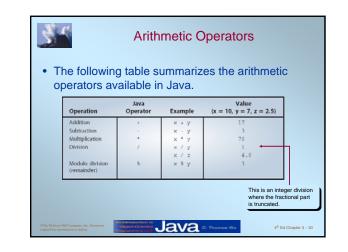


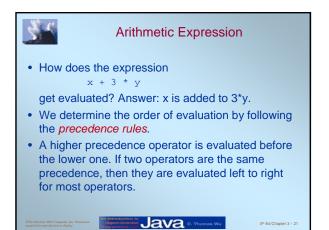




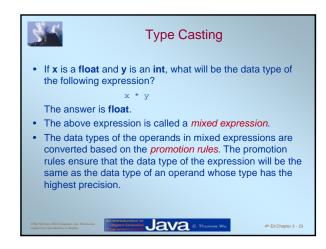


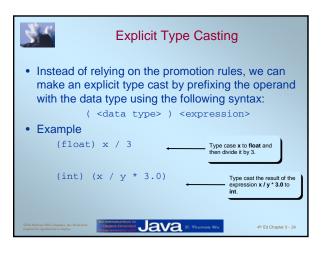


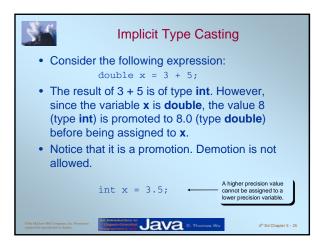


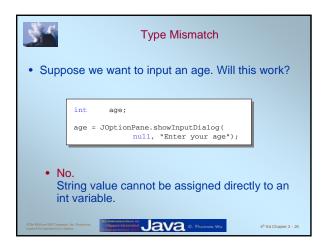


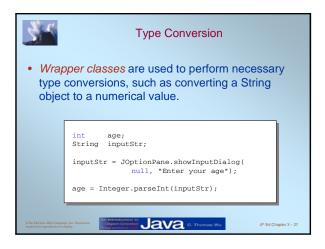
Order	Group	Operator	Rule
High	Subexpression		Subexpressions are evaluated first. If parentheses are nested, the innermost subexpression is evaluated first. If two or more pairs of parentheses are on the same level, then they are evaluated from left to right.
	Unary operator	-, +	Unary minuses and pluses are evaluated second.
ļ	Multiplicative operator	*, /, %	Multiplicative operators are evaluated third. If two or more multiplicative operators are in an expression, then they are evaluated from left to right.
Low	Additive operator	+, -	Additive operators are evaluated last. If tw or more additive operators are in an expression, then they are evaluated from left to right.



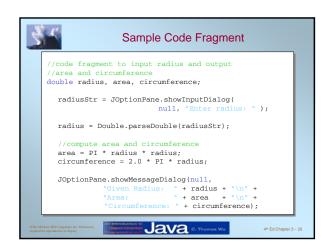


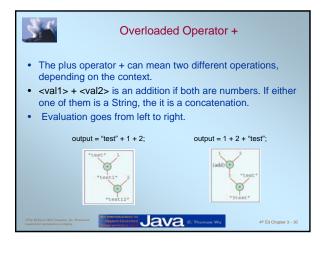




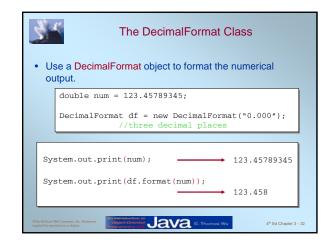


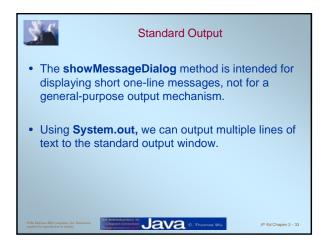
Class	Method	Example
Integer	parseInt	<pre>Integer.parseInt('25') → 25 Integer.parseInt('25.3') → error</pre>
Long	parseLong	Long.parseLong('25') \rightarrow 25L Long.parseLong('25.3') \rightarrow error
Float	parseFloat	<pre>Float.parseFloat('25.3') → 25.3F Float.parseFloat('ab3') → error</pre>
Double	parseDouble	Double.parseDouble('25') → 25.0 Double.parseDouble('ab3') → error

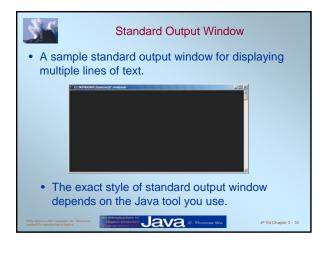


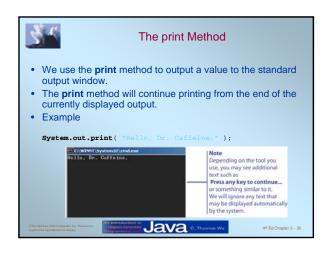






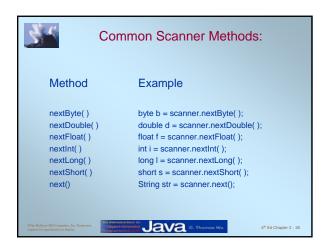


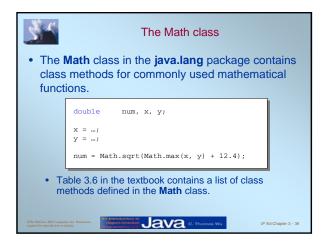




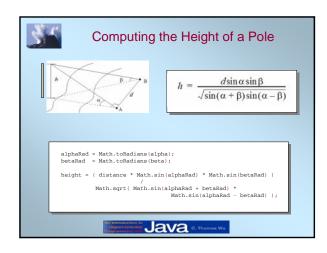


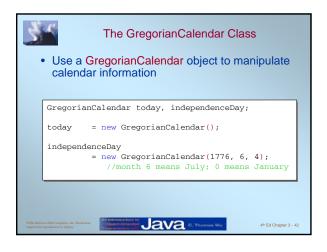
2.4	Standard Input	
	he technique of using System.in to input ata is called standard input.	
	Ve can only input a single byte using system.in directly.	
	o input primitive data values, we use the canner class (from Java 5.0).	
	Scanner scanner;	
	<pre>scanner = Scanner.create(System.in);</pre>	
	<pre>int num = scanner.nextInt();</pre>	
0The McGraw-Hill Comp required for reproduction o		oter 3 - 37





X. C	Som	ne Math Class Methods	
	Method	Description	
	exp(a)	Natural number e raised to the power of a .	
	log(a)	Natural logarithm (base e) of a.	
	floor(a)	The largest whole number less than or equal to a .	
	max(a,b)	The larger of a and b.	
	pow(a,b)	The number a raised to the power of b .	
	sqrt(a)	The square root of a.	
	sin(a)	The sine of a . (Note: all trigonometric functions are computed in radians)	
		13 in the textbook contains a lis fined in the Math class.	it of
@The McGraw-Hill Companier required for reproduction or dis		Java C. Thomas Wa	Ed Chapter 3 - 40





his table shows the class constants for retrieving		
fferent pieces of	of calendar information from Date	
Constant	Description	
YEAR	The year portion of the calendar date	
MONTH	The month portion of the calendar date	
DATE	The day of the month	
DAY_OF_MONTH	Same as DATE	
DAY_OF_YEAR	The day number within the year	
DAY_OF_MONTH	The day number within the month	
DAY_OF_WEEK	The day of the week (Sun — 1, Mon — 2, etc.)	
WEEK_OF_YEAR	The week number within the year	
WEEK_OF_MONTH	The week number within the month	
AM_PM	The indicator for AM or PM (AM — 0 and PM — 1)	
HOUR	The hour in 12-hour notation	
HOUR_OF_DAY	The hour in 24-hour notation	
MINUTE	The minute within the hour	

