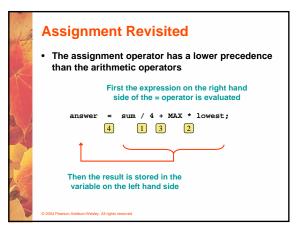
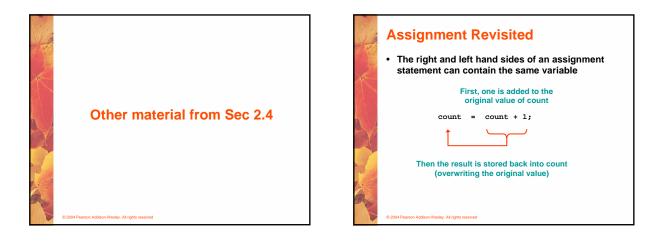
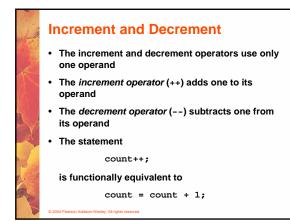
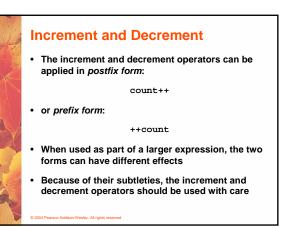


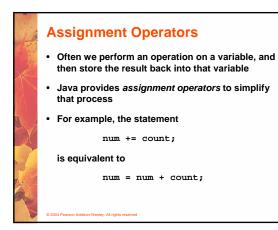
Precedence Level	Operator	Operation	Associate
1	+	unary plus	R to L
	- C.S.	unary minus	
2	*	multiplication	L to R
	1	division	
	8	remainder	
3	+	addition	L to R
	-	subtraction	
	+	string concatenation	
4	-	assignment	R to L



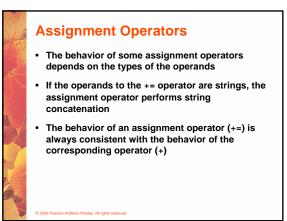


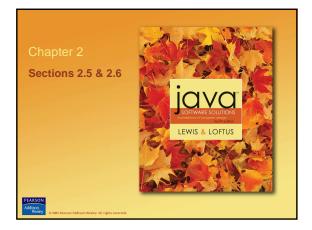


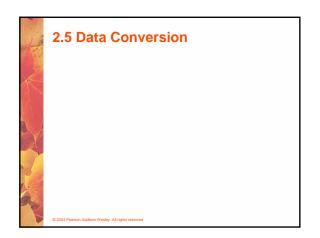




	Assignmer	ny assignmer	OIS nt operators in Java,	
K	<u>Operator</u>	Example	Equivalent To	
	+= -= *= /= %=	x /= y	-	
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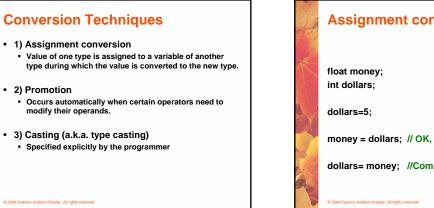


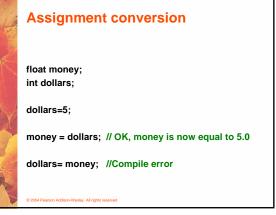


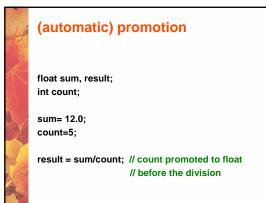


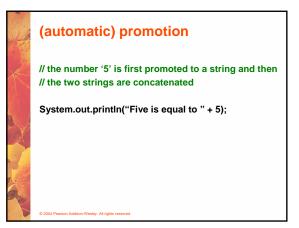
0.04	From	То
	byte	short, int, long, float, or double
- sector	short	int, long, float, or double
feet an	char	int, long, float, or double
15	int	long, float, or double
	long	float or double
	float	double

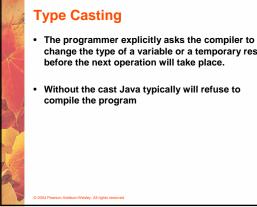
From	То
byte	char
short	byte or char
char	byte or short
int	byte, short, or char
long	byte, short, char, or int
float	byte, short, char, int, or long
double	byte, short, char, int, long, or floa











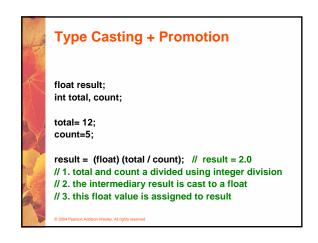
Type Casting change the type of a variable or a temporary result float money; int dollars; dollars=5; money = dollars; // OK, money is now equal to 5.0 dollars= (int) money; //Compile error OK



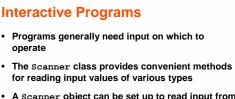
before the next operation will take place.

compile the program

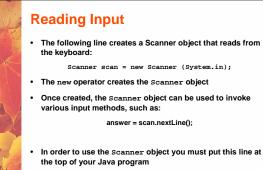
Without the cast Java typically will refuse to







- A scanner object can be set up to read input from various sources, including the user typing values on the keyboard
- Keyboard input is represented by the System.in object



import java.util.Scanner;

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Reading Input

- The Scanner class is part of the java.util class library, and must be imported into a program to be used
- See <u>Echo.java</u> (page 91)
- The nextLine method reads all of the input until the end of the line is found
- The details of object creation and class libraries are discussed further in Chapter 3

Input Tokens

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- Unless specified otherwise, *white space* is used to separate the elements (called *tokens*) of the input
- White space includes space characters, tabs, new line characters
- The next method of the Scanner class reads the next input token and returns it as a string
- Methods such as nextInt and nextDouble read data of particular types
- See GasMileage.java (page 92)

