

Assignment#3b

Input and Output Statements

Declarations	User Input	Calculations
Variables:		Decimal Conversions:
Length: lengthFeet - INTEGER lengthInches - INTEGER	lengthFeet: lengthInches:	
Width: widthFeet - INTEGER widthInches - INTEGER	widthFeet: widthInches:	
Depth: depthFeet - INTEGER depthInches - INTEGER	depthFeet: depthInches:	
Decimal Equivalents: decimalLength - SINGLE decimalWidth - SINGLE decimalDepth - SINGLE		$\text{decimalLength} = \text{lengthFeet} + \text{lengthInches} / 12$ $\text{decimalWidth} = \text{widthFeet} + \text{widthInches} / 12$ $\text{decimalDepth} = \text{depthFeet} + \text{depthInches} / 12$
Calculated Values: cubicYards - SINGLE concreteCost - SINGLE LaborCost - SINGLE		$\text{cubicYards} = (\text{decimalLength} * \text{decimalWidth} * \text{decimalDepth}) / 27$ $\text{concreteCost} = \text{cubicYards} * 64$ $\text{laborCost} = \text{cubicYards} * 40$
Initial Assignments: currencyFormat - STRING "\$\$#,###.##" decimalFormat - STRING "###.##"		

Print Headings						
CONCRETE COST:						
IN FEET:			CUBIC	CONCRETE AT	LABOR AT	TOTAL
LENGTH	WIDTH	DEPTH	YARDS	\$64/CU. YD.	\$40/CU. YD	COST

Print Results
decimalFormat: decLenght decimalWidth decimalDepth cubicYards
currencyFormat: concreteCost laborCost Total Cost