



Programming Fundamentals II
In-Class Exercise Day 2 — Variables and Statements

Common Requirements

You have to create and use variables for all the values specified in the problem.
You also need a variable for the results of the calculations.

PROBLEM 1

PROBLEM STATEMENT

There are a lot of bricks at RIT. A typical brick is 2.5 inches tall, 3 inches wide, and 6 inches long. If there are 75,000 bricks in the Golisano building, calculate and display the total volume of those bricks?

Calculation

Volume of 1 brick = length * width * height

1. Create a class called BrickCalculation.
2. Create the appropriate variables based on the formula above.
3. Display the result to the console window.

What is the final amount calculated? 3375000.0 inches cube

4. Add a Scanner object to retrieve an integer input for the number of bricks.

What package did you need to import to use Scanner? java.util.Scanner

How many bricks did you enter into your program? 6

What is the final amount calculated? 270.0 inches cubed