Lab 02

1 Background

A contractor is planning a bid on interior painting for an apartment. These apartments are for student housing, so they are to be single-rooms and have basic drywall walls and ceilings, with no particular architectural features like crown molding. The contractor would like to find a quicker way to estimate how much paint it will take to paint the walls and ceilings for each room. The plan for these buildings is to paint the four walls and the ceiling.

2 Preliminaries

1. **Create** the program using Xcode and saving it to a file named, **lab02.swift**.

2. At the top of the empty file, write the following comment, modifying it to reflect your personal information. Writing these comments on top of your programs helps other developers understand basic information about your programs and is a good habit to develop.

```
/*
 * Program: lab02.swift
 *
 * Author:  YOUR FULL NAME
 * Date:    THE CURRENT DATE
 * Course:  CSCI495
 *
 * Program Description:
 *
 * WRITE PROGRAM DESCRIPTION
 *
 */
```

3   The Program

Your program will need to first ask users to enter height, length and width information.

Width is the width of each room and is between 8 and 100, **length** is the length of each room and is between 8 and 100, and **height** is the height of each room and is between 8 and 30.

The output of your program should be a single *integer* indicating the area that needs to be painted in each room.

SAMPLE INPUT/OUTPUT

> Enter Width: 25
>
> Enter Length: 30
>
> Enter Height: 18
>
> Total Area: 2730

4   Submitting Your Work

For this lab you will electronically submit the **lab02.swift** file via **Blackboard**