# The Problem

The client wants an application that calculates the Body Mass Index based on information inputted into the application.

# Requirements

## Output

Body Mass Index (Double – Calculated) – The Calculated BMI for the person in question.

## Input

Height (Double) – The height in inches of the person that we are calculating BMI for.  
Weight (Double) – The Weight in pounds of the person that we are calculating BMI for.

## Process

BMI = ( m / (h^2)) \*703  
BMI = ( Mass / ( Math.Pow(Height, 2) ) \* 703

# Plan (Pseudo-code/Flowchart)

* Start
  + Define Variables
  + Get Inputs from User
  + Process Math (Calculations)
  + Output Results (BMI Result)
  + Hold for Any Key
* Exit

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Needed Math

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Double Variables Needed:

BMI for the Results

Mass for the Weight

Heigt for the Height

Constant of 703 (int)

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Console View With Variables in Parenthesis & Other Notable Needed Stuff

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(WriteLine)Please enter the person's height in inches: (ReadLine douMass).ConvertToDouble

(WriteLine)Please enter the person's weight in pounds: (ReadLine douHeig).ConvertToDouble

Process: BMI = ( douMass / ( Math.Pow(douHeig, 2) ) \* (Constant)

(WriteLine)(\n)The BMI for a (67.5).toString("n1")" tall person who weighs (173.0).toString("n1") lb. is (26.7).toString("n1")

(Write)(\n)Press any key to end this application...(ReadKey)

# Desk Check (See Included Excel File)