

Name Assignment 1 Rubric  
Description Waist to Height Ratio  
Rubric Detail

	Levels of Achievement		
Criteria	Requires Improvement	Good	Excellent
Class Comment	<b>0 Points</b> No class comment.	<b>0.5 Points</b> Class comment missing some detail	<b>1 Points</b> Comprehensive class comment as per specifications
Coding Convention	<b>0 Points</b> Does not adhere to coding style guide for naming identifiers and incorrect placement of opening braces.	<b>1 Points</b> Some violation of coding convention (e.g. naming conventions, opening brace)	<b>2 Points</b> Follows CAB201 C# Coding Convention for naming identifiers and placement of opening braces.
Code Structure	<b>0 Points</b> Code is implemented as straight line code in main	<b>1 Points</b> All methods are void - no value returning methods &/or used global variables.	<b>2 Points</b> Code structured well with both void and value returning methods and no global variables used. Each method performs one action
No Input/Output in Main	<b>0 Points</b> Main contains input and/or output statements	<b>0.5 Points</b> A single output or input statement present in Main	<b>1 Points</b> No input/output statements in Main
Main High Level Algorithm	<b>0 Points</b> Main is not a high level algorithm or a pseudo-main has been implemented	<b>1 Points</b> Main contains code that should be in separate method	<b>2 Points</b> Main implemented as a well structured high level algorithm
Waist Input	<b>0 Points</b> No checking of waist input	<b>0.5 Points</b> Waist input is either not validated correctly or lower boundary not checked	<b>1 Points</b> Waist input is validated correctly and is equal to or greater than minimum value
Height Input	<b>0 Points</b> No checking of height input	<b>0.5 Points</b> Height input is either not validated correctly or minimum boundary not checked	<b>1 Points</b> Height input is validated correctly and is equal to or greater than minimum value
Gender Input	<b>0 Points</b> No checking of gender input	<b>0.5 Points</b> Gender input is either not validated correctly or input values not checked	<b>1 Points</b> Gender input is validated correctly and is either 1 or 2 (or equivalent)
WTH Ratio Calculation	<b>0 Points</b> WTH is either not calculated or is incorrect	<b>1 Points</b> WTH ratio is correct but no limit on number of decimal places displayed.	<b>2 Points</b> WTH ratio calculation is correct and is displayed with three decimal places only.
"Y" or "y" Input	<b>0 Points</b> No prompt for "another calculation"	<b>0.5 Points</b> Only accepts "N" or "n" to terminate the program or only accepts "Y" to ask for input values again.	<b>1 Points</b> Accepts "Y" or "y" to ask for input values again and any other input terminates the program.
Multiple Calculations	<b>0 Points</b> Application compiles but performs no calculations	<b>1 Points</b> Application only performs one calculation - unable to start new calculation	<b>2 Points</b> Application performs multiple calculations until user elects to terminate
Full Functionality	<b>0 Points</b> There is limited to no functionality implemented	<b>1 Points</b> Most of required functionality implemented however there are some deficits	<b>2 Points</b> Full functionality as per assignment specification
Application Exits Gracefully	<b>0 Points</b> Application does not exit gracefully	<b>0.5 Points</b> Exiting application is not clear to user	<b>1 Points</b> Application exits gracefully
Application ease of use	<b>0 Points</b> Application is difficult to use and not intuitive to the user	<b>0.5 Points</b> Application is usable however prompts to user are not clear	<b>1 Points</b> Application very easy to use and intuitive

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