

Name: Huimei Wu

Assignment 2.1: Class Height Algorithm (10 pts)

*Fill in the remaining steps below to determine whether we have a tall, short or average class. You should have **at least 10 steps for full credit**. Add more steps if needed.*

Step 1: Put every student in a line.

Step 2: One-by-one, measure the height of each person in the class **in inches**.

Step 3: Record everyone's height **in inches**.

Step 4: Add everyone's height together in order to get the total height **in inches**.

Step 5: Count how many students in the class.

Step 6: Divide the total height by the number of the students to get the average height for the class **in inches**.

Step 7: Convert the the average height in inches **to feet and inches format**.

Step 8: Compare the average height for the class with the the average height for an American(5'7").

Step 9: If the result is equal to 5'7" we have an average class.

Step 10: If the result is greater than 5'7" we have a tall class.

Step 11: If the result is less than 5'7" we have a short class.