# Re-importing math for calculation and redefining conversion factors and measurements

import math

cm\_to\_inches = 2.54

height\_inches = 183 / cm\_to\_inches

neck\_inches = 37 / cm\_to\_inches

naval\_inches\_82 = 82 / cm\_to\_inches

# Calculating body fat percentage with the updated naval circumference

body\_fat\_percentage\_82 = 86.010 \* math.log10(naval\_inches\_82 - neck\_inches) - 70.041 \* math.log10(height\_inches) + 36.76

body\_fat\_percentage\_82