

Practical: Pseudocode

A carpenter installs window units and wants a program which will calculate the amounts of wood and glass that needs to be purchased. He/she wants to just enter the dimensions of the window (in meters) and then get a display of the amount of wood and glass required. Whilst glass is sold by the square meter, the wood supplier sells by the foot, so the amount of wood required must be given in feet and inches. Furthermore, the width of the window must be between 0.5 and 3.5m inclusive and the height constrained between 0.5 and 2.0 meters inclusive. Note that 1 meter = 3.25 feet and there are 12 inches in a foot.

1. Write level 1 pseudocode for this requirement.
2. Choose the step that you think requires most involvement and write the respective level 2 pseudocode for that step only. If appropriate (ie you can't do this if your level 1 pseudocode is already too detailed!) choose another step to further refine at level 2.
3. Write a C# solution which fulfills as much of the requirements as possible.