House Painting

Part 1 – Algorithm

1. Input House width from user
2. Save house width as Housewidth
3. Input House length
4. Save house length as Houselength
5. Input House Height
6. Save House Height as Househeight
7. Input # of windows in house
8. Save # of windows in house
9. Input window dimensions per number of windows in house
10. Save window dimensions
11. Input # of doors in house
12. Save # of doors in house
13. Input door dimensions per number of doors in house
14. Save door dimensions
15. Input Cost for painting per square foot
16. Save cost for painting
17. Calculate Housewidth\*Houselength + 0.5\*(Houselength\*(Househeight-Housewidth)))
18. Save as Peakside
19. Calculate Houselength \* Housewidth
20. Save as normal side
21. Calculate numWindows \* windowWidth \* windowLength
22. Save as total\_window\_area
23. Calculate numDoors \* doorWidth \* doorLength
24. Save as total\_door\_area
25. Calculate (
26. Squarefootpeak = Houselength \* Housewidth + .5(Houselength\*(Househeight-Housewidth))
27. Squarefootnormal = Houselength \* Housewidth
28. Print (“Your total paintable surface area is: “ totalPaintArea + “ square feet.”);
29. Print (“Your estimate is: “ + howMuch + “ dollars.”);
30. Close scanner