

HousePaintingAlgorithmTest

1. Input the cost per square foot, store as costPerSquarefoot
2. Input the length of the house, store as houseLength
3. Input the width of the house, store as houseWidth
4. Input the height of the house, store as houseHeight
5. Input number of windows , store as windowNum
6. Input length of windows, store as windowLength
7. Input width of windows, store as windowWidth
8. Input number of doors, store as doorNum
9. Input length of doors, store as doorLength
10. Input width of doors, store as doorWidth

11. Multiply(houseLength by houseWidth) multiply by 2 , store as normalSide
12. Multiply (houseLength by houseWidth and add $0.5(\text{houseLength}(\text{houseHeight} - \text{houseWidth}))$ multiply by 2 , store as thePeaksideside
13. Multiply (windowLength by windowWidth) by windowNum , store as windowSQ
14. Multiply (doorLength by doorWidth) by doorNum , store as doorSQ
15. Add doorSQ and windowSQ, store as windowAnddoorSQ
16. Add thePeaksideside and normalSide, store as houseSQ
17. Subtract houseSQ by windowAnddoorSQ, store as totalSQ
18. Multiply totalSQ by 5, store as paintingCost
19. Output" Your total paintable surface area is" totalSQ" square feet.)
20. Output "Your estimate is" paintingCost" dollars.
21. End Program