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CS 176L
15 Sept 2022

House Painting Assignment Pseudocode Algorithm

1. Input a square foot cost from user, store as costPerSqFt
2. Input a length of home from user; store as houseLength
3. Input a width of home from user; store as houseWidth
4. Input a height of home from user; store as houseHeight
5. Input a number of windows from user; store as numOfWindows
6. Input a length of windows from user; storeas windowLength
7. Input a width of windows from user; store as windowWidth
8. Input a number of doors from user; store as numOfDoors
9. Input a length of doors from user; store as doorLength
10. Input a width of doors from user; store as doorWidth
11. Multiply houseLength and houseWidth, store as normalSide
12. Multiply ½, houseLength, and the difference of houseHeight minus houseWidth, and then add normalSide outside of the multiplication; store as peakSide
13. Multiply windowLength, windowWidth, and numOfWindows; store as totalWindowArea
14. Multiply doorLength, doorWidth, and numOfDoors; store as totalDoorArea
15. Add 2 times normalSide and 2 times peakSide; store as totalHouseArea
16. Subtract totalDoorArea and totalWindowArea from totalHouseArea; store as totalPaintableArea
17. Multiply totalPaintableArea and costPerSqFt; store as costToPaint
18. Output “Your total paintable surface area is “ followed by totalPaintableArea
19. Output “Your estimate is “ followed by costToPaint
20. End program