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Algorithm for HousePainting

1. Initialize Scanner as sc
2. Declare double costPerSqFoot, houseLength, houseWidth, houseHeight, numOfWindows, windowLength, windowWidth, numOfDoors, doorLength, doorWidth
3. Accept cost per square foot of house, store as costPerSqFoot
4. Accept length of house in feet, store as houseLength
5. Accept width of house in feet, store as houseWidth
6. Accept heigh of house in feet, store as houseHeight
7. Accept number of windows of house, store as numOfWindows
8. Accept length of window in feet, store as windowLength
9. Accept width of window in feet, store as windowWidth
10. Accept number of doors, store as numOfDoors
11. Accept length of door in feet, store as doorLength
12. Accept width of door in feet, store as doorWidth
13. Calculate sq feet of windows and doors
14. Calculate paintable surface area in square feet by adding sides with peaks and sides without peaks and subtracting sq feet of windows and doors
15. Calculate cost of painting surface area (multiply cost of painting sq feet and amount of sq feet to paint)
16. Output amount of paintable surface area in square feet
17. Output and format cost/estimate of painting