<u>Inputs</u>

- Store width as widthOfHouse
- Store length as lengthOfBase
- Store height as heightOfHouse
- Store number of windows as numberOfWindows
- Store window dimensions as windowLength and windowWidth
- Store number of doors as numberOfDoors
- Store door dimensions as doorWidth and doorLength
- Store the cost of paint per square foot as costPerSquareFoot

Calculations

- Find square feet of side of house
 - L*W
 - squareFeetOfHouse = lengthOfBase * widthOfHouse
- Find square feet of height before house
 - $L*W+\frac{1}{2}(L(H-W))$
 - squareFeetOfHeightOfHouse =
 lengthOfBase * widthOfHouse + ½
 (lengthOfBase(heightOfHouse-widthOfHouse))
- Find the area of the door and windows and subtract to final area to paint
 - numberOfDoors * (doorWidth * doorLength)
 - numberOfWindows * (windowWidth * windowLength)