Nabiha Bashir

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Lab Assignment #4

Due: 02/22/19

CODE:

import math

height = float(input("Enter the wall's height: "))

width = float(input("Enter the wall's width: "))

area = height \* width

print("The area of the wall is %f square feet" %area)

paint\_needed = area/400

print("The amount of paint needed to cover the wall is %f gallons" %paint\_needed)

cans = math.ceil(paint\_needed)

print("Cans needed to paint the wall: %f" %cans)

color = input("What color do you want to paint the wall?: ")

paintcolors = {"red": 25,"blue" : 30,"green" : 27}

print("The total cost of the paint cans for", color,"paint: $", str(cans\*paintcolors[color]))

OUTPUT:

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32

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========= RESTART: C:/Users/Nabiha/Documents/CECS 174/Labs/Lab 4.py =========

Enter the wall's height: 10

Enter the wall's width: 10

The area of the wall is 100.000000 square feet

The amount of paint needed to cover the wall is 0.250000 gallons

Cans needed to paint the wall: 1.000000

What color do you want to paint the wall?: red

The total cost of the paint cans for red paint: $ 25