// Program to calculate cost of carpet cleaning

// Aunthor: Everistus Akpabio

package program3;

import java.util.Scanner;

public class Program3 {

public static void main(String[] args) {

//Declare Variables

double roomArea1, roomArea2, roomArea3, totalArea;

double rugLength, rugWidth, price = 0;

int ticketValue;

int option;

Scanner keyboard = new Scanner(System.in);

//Ask and store user inputs

//Room1

System.out.println("Enter Length of the first rug : ");

rugLength = keyboard.nextDouble();

System.out.println("Enter Width of the first rug : ");

rugWidth = keyboard.nextDouble();

roomArea1 = rugLength \* rugWidth;

//Room2

System.out.println("Enter Length of the second rug : ");

rugLength = keyboard.nextDouble();

System.out.println("Enter Width of the second rug : ");

rugWidth = keyboard.nextDouble();

roomArea2 = rugLength \* rugWidth;

//Room3

System.out.println("Enter Length of the third rug : ");

rugLength = keyboard.nextDouble();

System.out.println("Enter Width of the third rug : ");

rugWidth = keyboard.nextDouble();

roomArea3 = rugLength \* rugWidth;

totalArea = roomArea1 + roomArea2 + roomArea3;

// Ask user for Options

System.out.println("Enter \"1\" for regular treatment or \"2\" for spot removal : ");

option = keyboard.nextInt();

//Check for input

if (option == 1)

{

price = totalArea \* 0.75;

}

else if (option == 2)

price = totalArea \* 1.25;

ticketValue = (int)totalArea/100;

//Display Message

System.out.println("The area to be cleaned is "+totalArea+" sq. ft., The cost of cleaning is $"+price+", and The number of tickets given = "+ticketValue);

//END METHOD

}

}

**OUTPUT**

run:

Enter Length of the first rug :

53

Enter Width of the first rug :

24

Enter Length of the second rug :

82

Enter Width of the second rug :

14

Enter Length of the third rug :

23

Enter Width of the third rug :

91

Enter "1" for regular treatment or "2" for spot removal :

1

The area to be cleaned is 4513.0 sq. ft., The cost of cleaning is $3384.75, and The number of tickets given = 45

BUILD SUCCESSFUL (total time: 20 seconds)