Lab 10

Ques 1

Write a C++ program using Multiple inheritance, to calculate the area of a rectangle whose height and length should be taken as input variables. Also calaute the cost of painting, if the unit square area is painted in "z".

Note:- Create two base classes (one for shape and one for paint cost) and a drive class for calculating the area.

Input

5
7
70

Output View

Total area: 35
Total paint cost: $2450

Input

10
15
90

Output View

Total area: 150
Total paint cost: $13500

Input

100
150
230

Output View

Total area: 15000
Total paint cost: $3450000

Ques 2

Write a C++ program using hybrid inheritance, to calculate the square and cube of numbers, where numbers are taken as input variable.

Note:- Create one base class to input the number and two drive classes for calculating the square and cube.

Input

10

20

Output View

Square is: 100

Cube is: 8000

Input

15

25

Output View

Square is: 225

Cube is: 15625