

Write a class of cuboid having following requirements:

3 attributes:

double width

double height

double length

2 constructors:

First constructor is a default constructor having no parameters. The default construct will assign a value of width, height, and length of 1.

The second constructor is a constructor that accepts 3 inputs which are width, height, and length. When an object is created from this constructor, attribute of width, height, and length is assigned according the inputs.

2 methods:

getVolumn() This method calculate volumn of cuboid and return volume of type double as an output.

getSurface() This method calculate surface area of cuboid and return surface of type double as an output.

Hint:

1. Use double as datatype for number data.

2. Volumn fomular: width * height * length

3. Surface fomular: $2(\text{width} \times \text{height}) + 2(\text{width} \times \text{length}) + 2(\text{height} \times \text{length})$

4. The driver class is provided in the answer box. Please do not modify the driver calss, otherwise your output may be corrupted.

For example:

Input	Result
1	1.0 6.0
2	74.25
3.0 4.5 5.5	109.5