## Class Box

You are given a geometric figure Box with fields **length**, **width** and **height**. Model a class **Box** that can be instantiated by the same three parameters. Expose to the outside world only methods for its **surface area**, **lateral surface area** and its **volume** (formulas: <http://www.mathwords.com/r/rectangular_parallelepiped.htm>).

On the first three lines you will get the **length**, **width** and **height**. On the next three lines print the **surface area**, **lateral surface area** and the **volume** of the box.

A box’s side **should not** be zero or a negative number. Add data validation for each parameter given to the constructor. Make a private setter that performs **data validation internally**.

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| --- | --- |
| **Box** | |
| - | length: double |
| - | width: double |
| - | height: double |
| + | Box (double length, double width, double height) |
| - | setLength(double): void |
| - | setWidth(double): void |
| - | setHeight(double): void |
| + | calculateSurfaceArea (): double |
| + | calculateLateralSurfaceArea (): double |
| + | calculateVolume (): double |

### Examples

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| **Input** | **Output** |
| 2  -3  4 | Width cannot be zero or negative. |
| 2  3  4 | Surface Area - 52.00  Lateral Surface Area - 40.00  Volume – 24.00 |
| 1.3  1  6 | Surface Area - 30.20  Lateral Surface Area - 27.60  Volume - 7.80 |