

src/main/java/de/uni_passau/fim/progl/pyramid_math/PyramidVolume.java

```
package de.uni_passau.fim.progl.pyramid_math;
```

```
import java.util.Scanner;
```

```
public class PyramidVolume {
```

```
    public static void main(String[] args) {  
        Scanner in = new Scanner(System.in);
```

```
  
        System.out.println("Enter the size of the cuboid:");  
        System.out.print("Length: ");  
        double cuboidLength = in.nextDouble(); // Read a double value from the user input.  
        in.nextLine(); // Skip everything until after the next newline.
```

```
  
        System.out.print("Width: ");  
        double cuboidWidth = in.nextDouble(); // Read a double value from the user input.  
        in.nextLine(); // Skip everything until after the next newline.
```

```
  
        System.out.print("Height: ");  
        double cuboidHeight = in.nextDouble(); // Read a double value from the user input.  
        in.nextLine(); // Skip everything until after the next newline.
```

```
  
        System.out.print("Enter the height of the pyramid: ");  
        double pyramidHeight = in.nextDouble(); // Read a double value from the user input.  
        in.nextLine(); // Skip everything until after the next newline.
```

```
  
        double cuboidVol = cuboidLength * cuboidWidth * cuboidHeight; // calculate the cuboid's volume  
        double pyramidVol = (cuboidLength * cuboidWidth * pyramidHeight) / 3; // calculate the pyramids volume  
        double volumeSum = cuboidVol + pyramidVol; // calculates the sum of the cuboid's and the pyramids volume
```

```
  
        System.out.println("The volume of the figure is: " + volumeSum);
```

```
  
        // Alle Kommentare zu den calculations sind eigentlich unnötig da im Code ersichtlich
```

```
    }
```

```
}
```