

Exercise 1

Usage Example

```
Available commands:  
"New rectangle" - create new rectangle  
"New circle" - create new circle  
"Quit" - quit program  
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> new rectangle  
Rectangle #1:  
First point: x coordinate: 1  
First point: y coordinate: 1  
Second point: x coordinate: 4  
Second point: y coordinate: 7  
Width: 3  
Height: 6  
Area: 18  
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Available commands:  
"New rectangle" - create new rectangle  
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-----  
>
```

Example

Area Calculation

To calculate the area the following page was used: Area Calculation

Calculating the area and width of an object or space is a fundamental aspect of geometry and measurement.

Area Definition

The area represents the extent of a two-dimensional surface, usually measured in square units, while width is a linear measurement that denotes the extent of an object in one dimension.

To calculate the area of a rectangle, for instance, one multiplies its length by its width. Similarly, the width of a line or shape is determined by the extent between its two parallel sides.

Precision in these calculations is crucial for various fields such as construction, architecture, and science, where accurate measurements play a key role in

designing structures, analyzing spaces, and ensuring the overall functionality and efficiency of a given area.

Author

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