

Challenge - Cylinder Calculator

The object of this challenge is to practice adding event bindings to a Tkinter program.

Mild 🌶️

Create a program that satisfies the following requirements:

- There is a labeled input field for the **diameter** of a cylinder
- There is a labeled input field for the **height** of a cylinder
- There is a function that uses the **diameter** and **height** to calculate the **volume** of the cylinder
- A button to call the function
- A label to display the **volume**

Medium 🌶️ 🌶️

Create a program that satisfies the following requirements:

- There is a labeled input field for the **diameter** of a cylinder
- There is a labeled input field for the **height** of a cylinder
- There is a function that uses the **diameter** and **height** to calculate the **surface_area** of the cylinder
- A button to call the function
- A label to display the **surface_area**

Spicy 🌶️ 🌶️ 🌶️

Create a program that satisfies the following requirements:

- There is a labeled input field for the **diameter** of a cylinder
- There is a labeled input field for the **height** of a cylinder
- There is a function that uses the **diameter** and **height** to calculate the **surface_area** of the cylinder
- There is a function that uses the **diameter** and **height** to calculate the **volume** of the cylinder
- A button to call the **volume** function
- A button to call the **surface_area** function
- A label to display the **volume**
- A label to display the **surface_area**
- A button to calculate both **volume** and **surface_area**