Challenge - Slope Calculator

The object of this challenge is to create functions that can accept arguments and return values.

Mild 🌶️

Create a function for calculating slope with the following inputs and output:

Function	Input	Output
Calculate `m` (slope)	`Δx` `Δy`	`m` (slope)

Then create a program that satisfies the following requirements:

- The user provides input.
- The program uses your function to calculate slope.
- The program outputs a message displaying the calculated slope of the line.

Medium 🌶️ 🌶️

Create the following 3 functions for calculating slope with the following inputs and outputs:

Function	Input	Output
Calculate `m` (slope)	`Δx` `Δy`	`m` (slope)
Calculate `Δx`	`m` (slope) `Δy`	`Δx`
Calculate `Δy`	`Δx` `m` (slope)	`Δy`

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides input.
  - The program uses your function to calculate slope.
  - The program outputs a message displaying the calculated value and what the value is *(for example, the change in x)*.

Spicy 🌶️ 🌶️ 🌶️

Create a function for calculating the y-intercept of a slope:

Function	Input	Output

Calculate `b` (y-intercept)	`x`
	`y`
	`m` (slope)
		`b` (y-intercept)

For your function create 3 tests using `pytest`:

- The function must have at least one test that `asserts` that 2 values are equal.
- The function must have at least one test that `asserts` that 2 values are not equal.

Then create a program that satisfies the following requirements:

- The user provides input.
- The program uses your function to calculate the y-intercept of the slope.
- The program outputs a message displaying the y-intercept of the slope.