Challenge: Calculate Distance Between Two Points

This challenge will test your knowledge of structs.

We'll cover the following

- Problem Statement
  - Input
  - Output
- Coding Exercise

Problem Statement

- A struct `Point` is given which has two items, `x` and `y`.
- The function `test` is given which has two instances of points initialized with some value of `x` and `y`.
- The task is to calculate the distance between the two points.

> The distance between two points is: $\sqrt{(x1 - x2)^2 + (y1 - y2)^2}$

- Return the value of distance

Input

```
Two instances of point
```

Output

The output of the code should be:

```
The distance between x and y
```

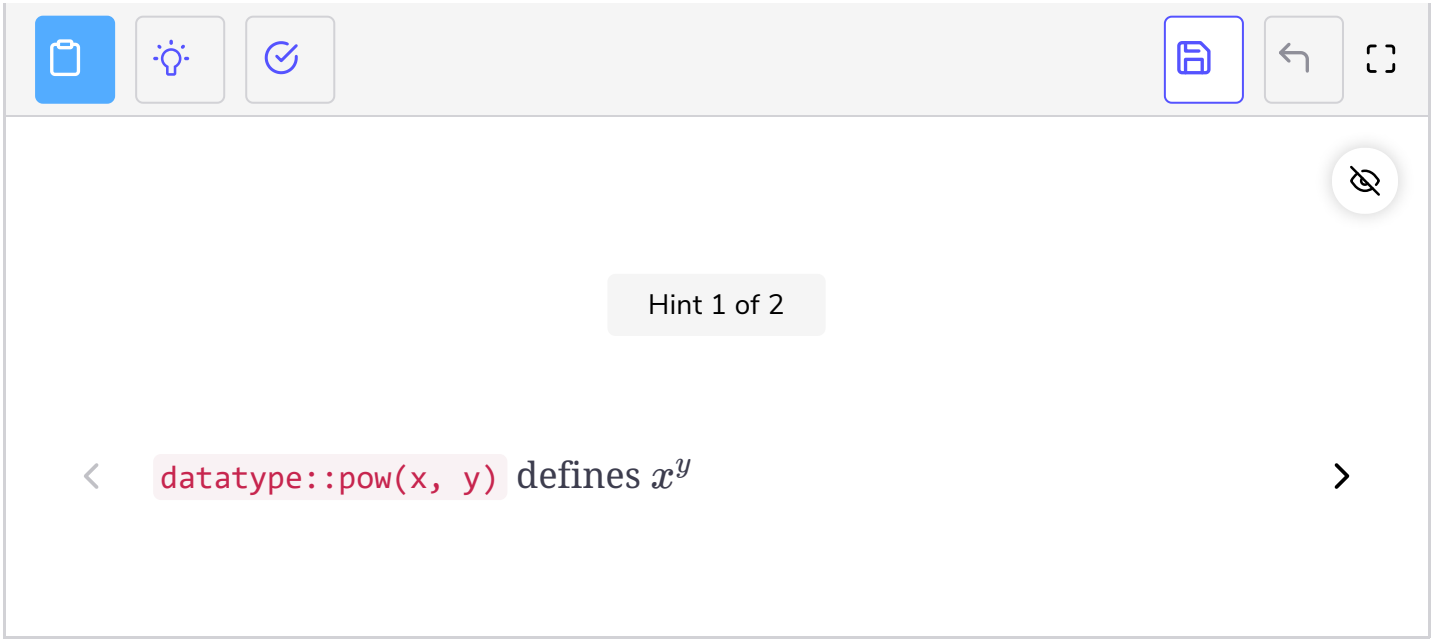
Coding Exercise

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

> **Note:** There is a `test` function given in the code for testing purposes. Do not modify it.

Good luck! 🤞

```
struct Point {
        x: i32,
        y: i32
}
fn test(_point1: Point, _point2: Point)-> f32 {
        // Write code here!
    1.0
}
```



Let's move on to a detailed solution to the above challenge in the next lesson.