Challenge 3: Find nth Fibonacci Number

This challenge will test your knowledge of recursion.

We'll cover the following

Problem Statement

In this exercise, you have to write a recursive function `fibonacci` that takes a positive integer number `n` as a parameter and returns the **nth Fibonacci term** in that range.

> The **Fibonacci Sequence** is the series of numbers in which the next term is found by adding the two previous terms:
>
> ```
> 1, 1, 2, 3, 5, 8, 13, 21, 34, ...
> ```
>
> Here , the number 1 is the first term, 1 is the second term, 2 is the third term and so on...

Input

```
an integer n
```

Output

```
nth fibonacci term
```

Sample Input

```
7
```

Sample Output

```
13
```

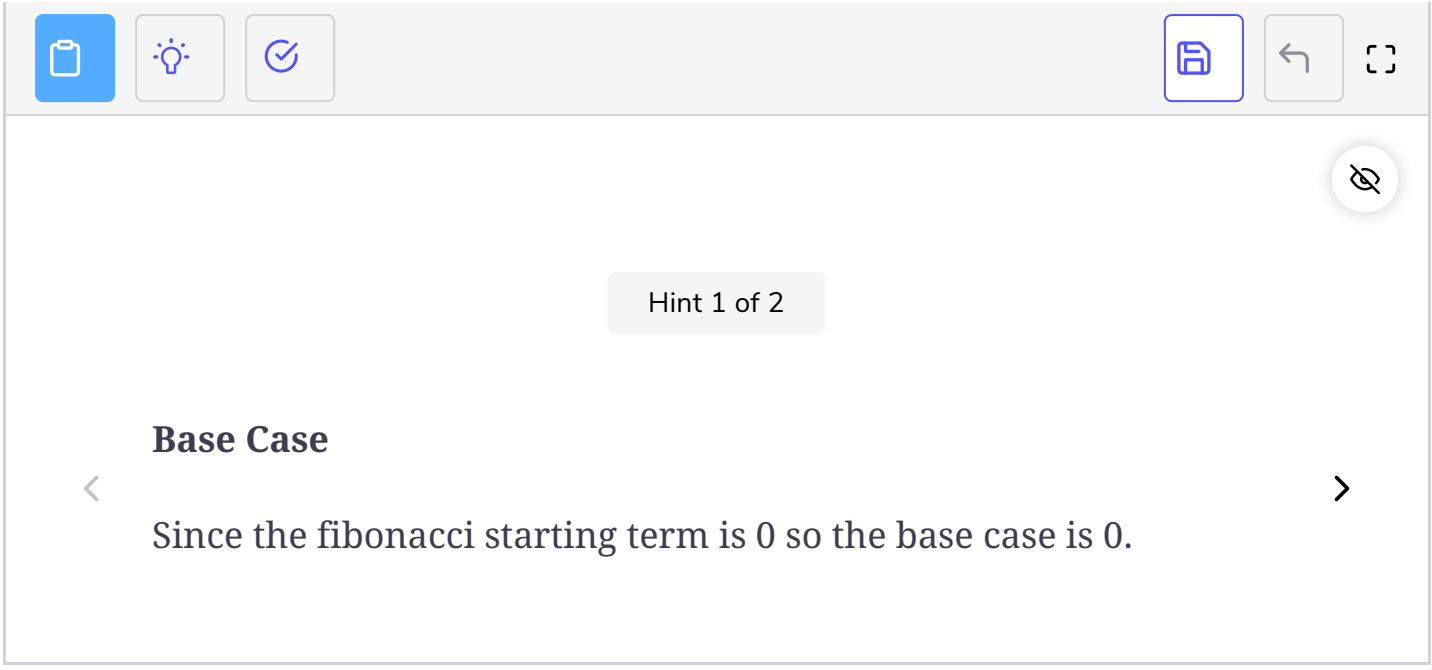
Coding Exercise

Write your code in the code widget below. If you don't get it right, don't fret; the solution is also given.

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

Good luck! 🤞

```
fn fibonacci(term: i32) -> i32 {
    // Write code here
    -1
}
```



Let's move on to the detailed solution of the above problem in the next lesson.