Difficulty: 🟩 **Category:** ▭▭▭▭ **Successful Submissions:** 73,652+

Binary Search ○ ☆

Write a function that takes in a sorted array of integers as well as a target integer. The function should use the Binary Search algorithm to determine if the target integer is contained in the array and should return its index if it is, otherwise `-1` .

If you're unfamiliar with Binary Search, we recommend watching the Conceptual Overview section of this question's video explanation before starting to code.

Sample Input

```
array = [0, 1, 21, 33, 45, 45, 61, 71, 72, 73]
target = 33
```

Sample Output

```
3
```

Hints

Hint 1 ▼

Hint 2 ▼

Hint 3 ▼

Optimal Space & Time Complexity ▼