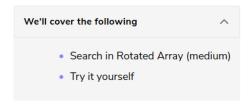


Problem Challenge 2



Search in Rotated Array (medium)

Given an array of numbers which is sorted in ascending order and also rotated by some arbitrary number, find if a given 'key' is present in it.

Write a function to return the index of the 'key' in the rotated array. If the 'key' is not present, return -1. You can assume that the given array does not have any duplicates.

Example 1:

Example 2:

```
Input: [4, 5, 7, 9, 10, -1, 2], key = 10
Output: 4
Explanation: '10' is present in the array at index '4'.

Original array:

Array after 5 rotations:

4 5 7 9 10 -1 2
```

Try it yourself

Try solving this question here:

```
def search_rotated_array(arr, key):
    # TODO: Write your code here
    return -1

def main():
    print(search_rotated_array([10, 15, 1, 3, 8], 15))
    print(search_rotated_array([4, 5, 7, 9, 10, -1, 2], 10))

main()

main()
```

