

Solution Review: Find the Minimum in an Array

This lesson explains the solution for the find the minimum in an array exercise.

WE'LL COVER THE FOLLOWING ^

- Solution
- Explanation

Solution

```
let arr = [| 23, 45, 17, 10, 60, 54 |];

let findMin = (arr: array<int>) => {
    let min = ref(-1);

    min := arr[0]; /* Start with the first value of the array */

    for (i in 1 to Array.length(arr)-1) { /* Travrse the array */
        if (min^ > arr[i]) { /* Whenever a value smaller than min is found */
            min := arr[i]; /* Make it the new min */
        };
    };
    min^;
};

Js.log(findMin(arr));
```



Explanation

The **for** loop is the best choice for this problem, as it allows us to easily traverse an array. Initially, we set the value of our mutable **min** as the first element of the array.

After that, we update the value of **min** whenever a smaller value is found. By this logic, we will have the smallest value from the array at the end of the loop

