79. Finding the maximum and minimum

Code:

```python
def find_max_and_min(arr):
    if not arr:
        return None, None

    max_val = max(arr)
    min_val = min(arr)

    return max_val, min_val
arr = [3, 5, 1, 2, 4, 8, -2, 7]
max_val, min_val = find_max_and_min(arr)
print(f"Maximum value: {max_val}, Minimum value: {min_val}")
```

Output:

```
Maximum value: 8, Minimum value: -2
```

Time Complexity:

- T(n)= O(n)