157) Consider an array of integers sorted in ascending order: 2,4,6,8,10,12,14,18. Write a Program to find both the maximum and minimum values in the array. Implement using any programming language of your choice. Execute your code and provide the maximum and minimum values found.

Input : N=8, 2,4,6,8,10,12,14,18.
Output : Min = 2, Max =18
Test Cases :
Input : N= 9, a[] = {11,13,15,17,19,21,23,35,37}
Output : Min = 11, Max = 37
Test Cases :
Input : N= 10, a[] = {22,34,35,36,43,67, 12,13,15,17}
Output : Min 12, Max 67

AIM: TO write a program in python for Consider an array of integers sorted in ascending order: 2,4,6,8,10,12,14,18

Program :

```python
def find_min_max(arr):

    if not arr:

        return None, None

    return arr[0], arr[-1]


arrays = [

    [2, 4, 6, 8, 10, 12, 14, 18],

    [11, 13, 15, 17, 19, 21, 23, 35, 37],

    [22, 34, 35, 36, 43, 67, 12, 13, 15, 17]

]


for arr in arrays:

    min_val, max_val = find_min_max(arr)

    print(f"Array: {arr}")

    print(f"Min: {min_val}, Max: {max_val}")
```

input:
```
Array: [2, 4, 6, 8, 10, 12, 14, 18]
```

output:
```
Min: 2, Max: 18
```

Time complexity: O(1)