

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

PROGRAM :-

```
arr = [2, 4, 6, 8, 10, 12, 14, 18]
```

```
min_val = arr[0]
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```
max_val = arr[-1]
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```
print(f"Min = {min_val}, Max = {max_val}")
```

OUTPUT:-

A screenshot of a terminal window with a dark background. The text "Min = 2, Max = 18" is displayed in a light-colored monospace font.A screenshot of a terminal window with a dark background. The text "=== Code Execution Successful ===" is displayed in a light-colored monospace font.

TIME COMPLEXITY:-O(1)