

156. 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, a[] = {5,7,3,4,9,12,6,2}

Output : Min = 2, Max = 12

Test Cases :

Input : N= 9, a[] = {1,3,5,7,9,11,13,15,17}

Output : Min = 1, Max = 17

Test Cases :

Input : N= 10, a[] = {22,34,35,36,43,67, 12,13,15,17}

Output : Min 12, Max 67

PROGRAM :-

```
def find_max_min(arr):  
    max_val = max(arr)  
    min_val = min(arr)  
    return min_val, max_val  
arr = [5, 7, 3, 4, 9, 12, 6, 2]  
min_val, max_val = find_max_min(arr)  
print(f"Min = {min_val}, Max = {max_val}")
```

OUTPUT:-



```
Min = 2, Max = 12
```



```
=== Code Execution Successful ===
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TIME COMPLEXITY:-O)(n)