

Program:

```
def find_min_max(arr, low, high):  
    # If there is only one element  
    if low == high:  
        return (arr[low], arr[low])  
  
    # If there are two elements  
    if high == low + 1:  
        if arr[low] < arr[high]:  
            return (arr[low], arr[high])  
        else:  
            return (arr[high], arr[low])  
  
    # If there are more than two elements, divide the array  
    mid = (low + high) // 2  
    min1, max1 = find_min_max(arr, low, mid)  
    min2, max2 = find_min_max(arr, mid + 1, high)  
  
    return (min(min1, min2), max(max1, max2))  
  
# Input  
arr = list(map(int, input("Enter the elements of the array separated by space: ").split()))  
low, high = 0, len(arr) - 1  
  
# Find min and max  
min_value, max_value = find_min_max(arr, low, high)  
print(f"Minimum element is {min_value}")  
print(f"Maximum element is {max_value}")
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  Python + v
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● PS C:\Users\katur\Music\DAA practicals> & C:/Users/katur/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/katur/Music/DAA practicals/practical3a.py"
Enter the elements of the array separated by space: 13 12 11 24 34 45 56 67 78 89 94 15
Minimum element is 11
Maximum element is 94
○ PS C:\Users\katur\Music\DAA practicals> █
```