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Def heapify(arr, n, i):
    Largest = i
    Left = 2 * i + 1
    Right = 2 * i + 2
    If left < n and arr[i] < arr[left]:
        Largest = left
    If right < n and arr[largest] < arr[right]:
        Largest = right
    If largest != i:
        Arr[i], arr[largest] = arr[largest], arr[i]
        Heapify(arr, n, largest)
Def heap_sort(arr):
    N = len(arr)
    For i in range(n // 2 - 1, -1, -1):
        Heapify(arr, n, i)
    For i in range(n - 1, 0, -1):
        Arr[i], arr[0] = arr[0], arr[i]
        Heapify(arr, i, 0)
If name == "__main__":
    Arr = list(map(int, input("Enter the numbers separated by spaces: ").split()))
    Heap_sort(arr)
    Print("Sorted array is:", arr)

```