

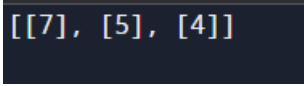
### 93.Container Loading

AIM: To solve the container loading problem

PROGRAM:

```
def load_container(containers, items):  
    containers.sort(reverse=True)  
    items.sort(reverse=True)  
  
    container_index = 0  
    loaded_items = [[] for _ in range(len(containers))]  
  
    for item in items:  
        while container_index < len(containers):  
            if containers[container_index] >= item:  
                containers[container_index] -= item  
                loaded_items[container_index].append(item)  
                break  
            container_index += 1  
  
    return loaded_items
```

```
containers = [10, 8, 6]  
items = [4, 3, 2, 1, 5, 7]  
loaded_items = load_container(containers, items)  
print(loaded_items)
```

OUTPUT: 

TIME COMPLEXITY:  $O(n \log n)$