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:

```
[[7], [5], [4]]
```

TIME COMPLEXITY: O (n log n)