```
6. Container Loading,
Code:
def container_loading(weights, values, capacity):
  ratio = [(values[i] / weights[i], weights[i], values[i]) for i in range(len(weights))]
  ratio.sort(key=lambda x: x[0], reverse=True)
  total_value = 0
  total_weight = 0
  for r in ratio:
    if total_weight + r[1] <= capacity:
       total_weight += r[1]
       total_value += r[2]
    else:
       break
  return total_value
weights = [10, 20, 30]
values = [60, 100, 120]
capacity = 50
print(container_loading(weights, values, capacity))
output:
 PS C:\Users\karth> & C:\Users\karth/AppData/Local/Programs/Python/Python312/python.exe c:\Users\karth/OneDrive/Documents/OriginLab/daa.py
 PS C:\Users\karth>
Time complexity:
```

F(n)=o(nw)