Data Structures II

- heapify demo
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

We assume array entries are indexed 1 to N.
**Heapify demo**

**Heapify.** For each element in reverse-array order, sink it down.
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

sink 5
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

**sink 5**
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

sink 5

3-node heap
**Heapify demo**

**Heapify.** For each element in reverse-array order, sink it down.

sink 4
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

sink 4
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

sink 3
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

sink 3

![Heapify diagram](image)
**Heapify demo**

**Heapify.** For each element in reverse-array order, sink it down.

**sink 3**
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

sink 2
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

sink 2
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

sink 2
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

sink 2

7-node heap
Heapify. For each element in reverse-array order, sink it down.

sink 1
Heapify demo

**Heapify.** For each element in reverse-array order, sink it down.

sink 1
Heapify demo

Heapify. For each element in reverse-array order, sink it down.

array is heap ordered

11-node heap