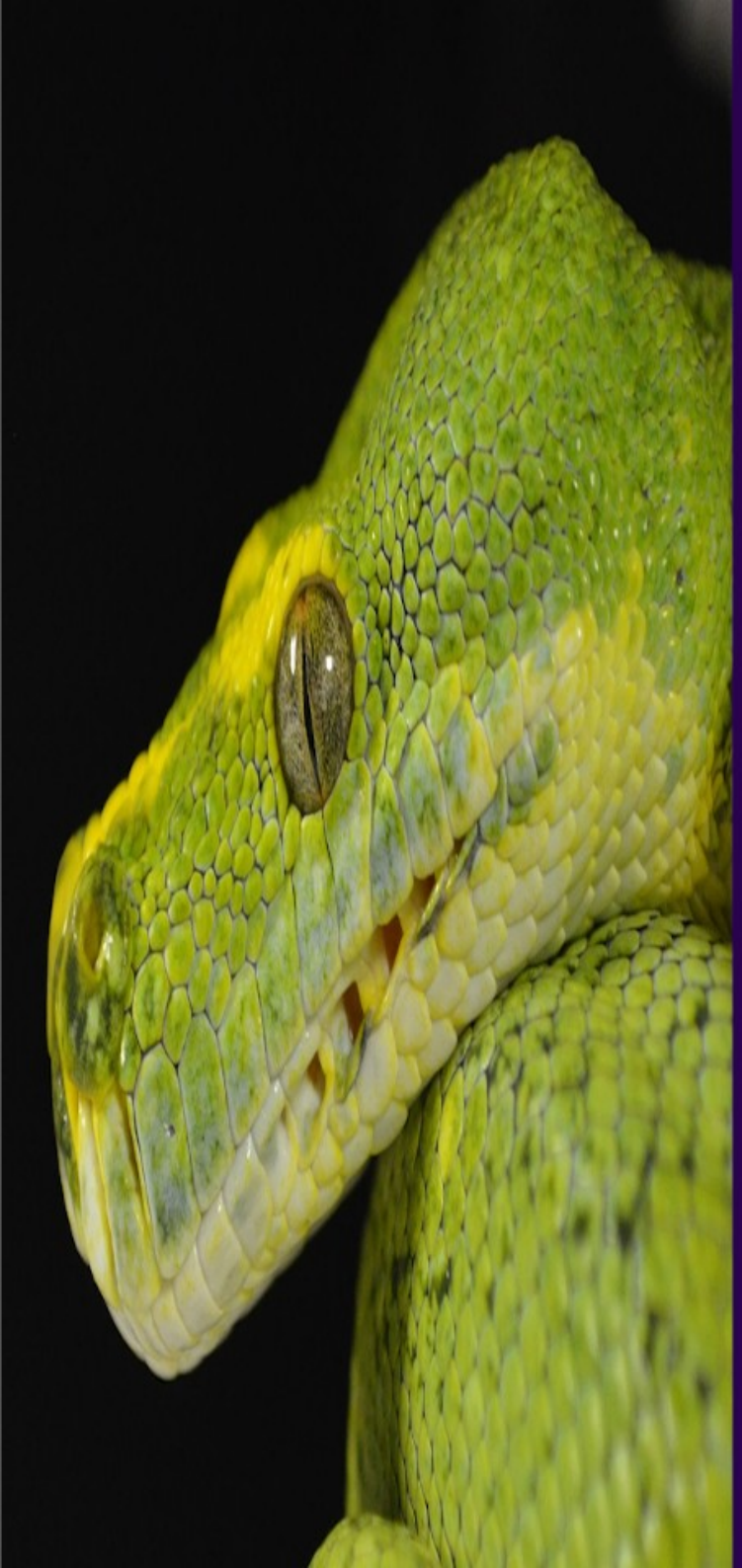

Python

heapq

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Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 0

Left : 2 * i + 1

Right : 2 * i + 2

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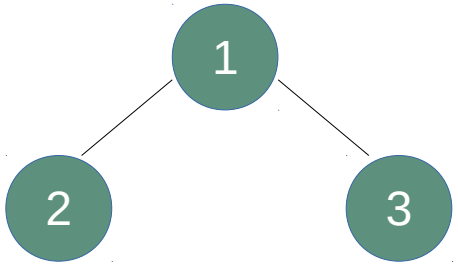
Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 0



Left : 2 * i + 1

2 * 0 + 1

= 1

Right : 2 * i + 2

2 * 0 + 2

= 2

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Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 1

Left : 2 * i + 1

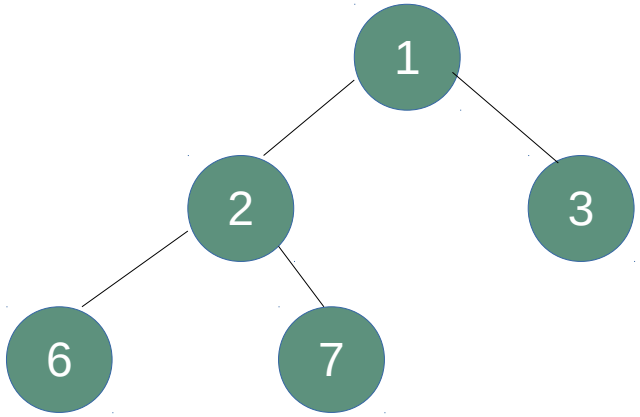
2 * 1 + 1

= 3

Right : 2 * i + 2

2 * 1 + 2

= 4



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Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 2

Left : 2 * i + 1

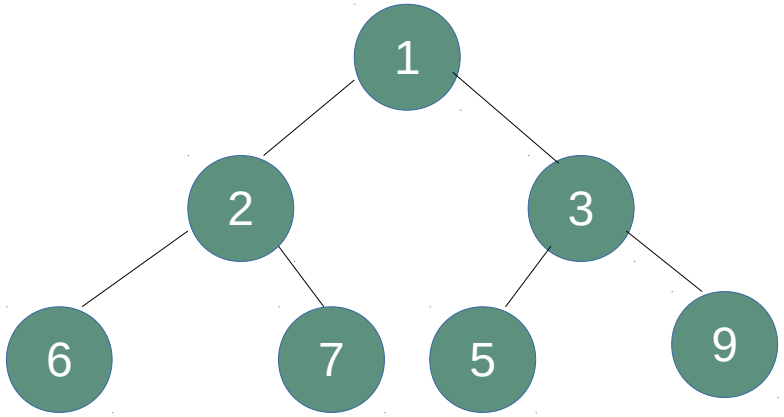
2 * 2 + 1

= 5

Right : 2 * i + 2

2 * 2 + 2

= 6



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Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 3

Left : 2 * i + 1

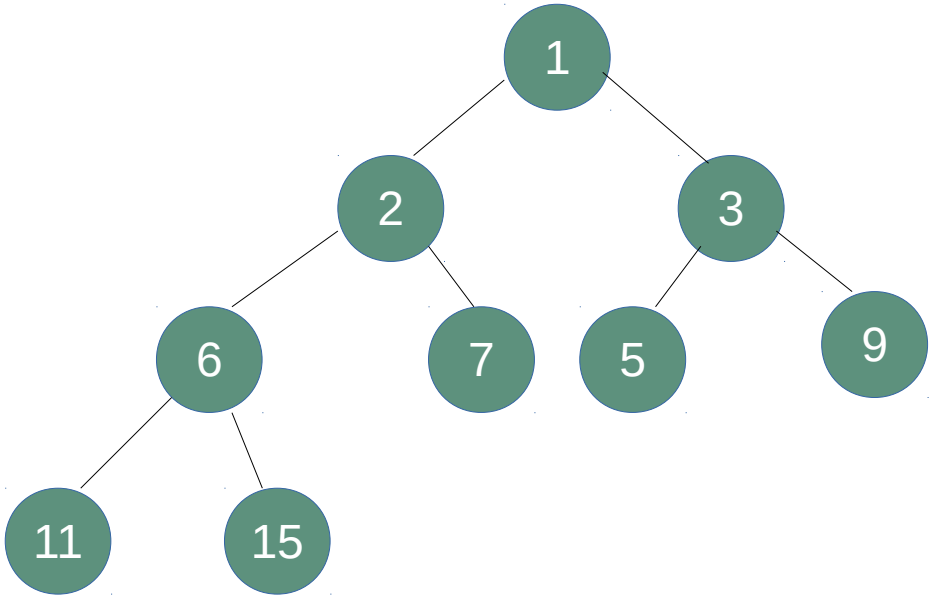
2 * 3 + 1

= 7

Right : 2 * i + 2

2 * 3 + 2

= 8



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Heap

Element	1	2	3	6	7	5	9	11	15	8
Index	0	1	2	3	4	5	6	7	8	9

Current i : 4

Left : 2 * i + 1

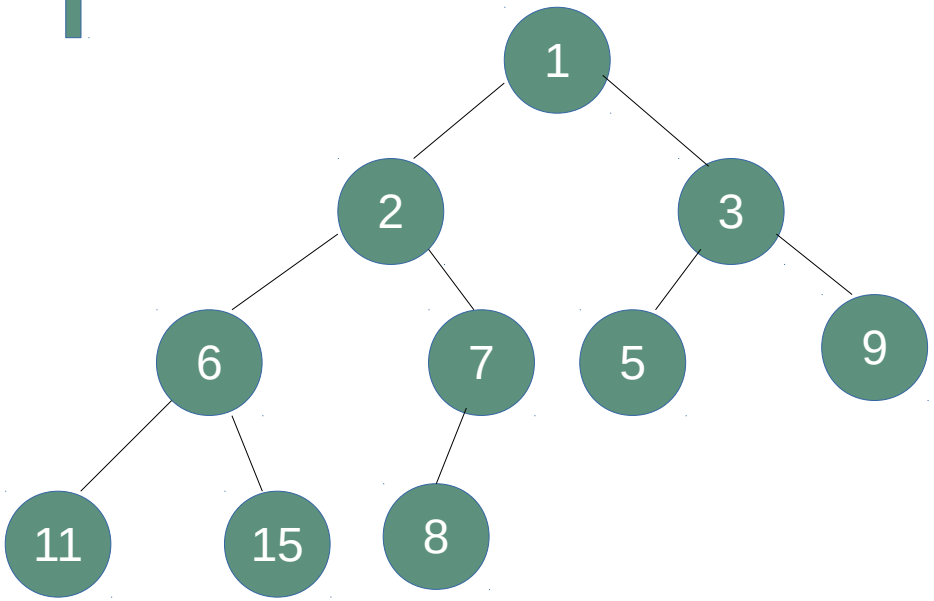
2 * 4 + 1

= 9

Right : 2 * i + 2

2 * 4 + 2

= 10



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End

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