

634183

For a heap of size n , which is indexed at 0, at what position will its last child be?

- a. $2n + 1$
- b. $n / 2$
- *c. $n - 1$
- d. $\text{floor}(n / 2) + 1$
- e.
- f. "
- g. "
- h. "
- i. "

General Feedback:

The last element will be at the end of the array.

634156

What design strategy does Quicksort use?

- a. Greedy
- *b. Divide and conquer
- c. Dynamic programming
- d. Brute force
- e.
- f. "
- g. "
- h. "
- i. "

General Feedback:

Quicksort is divide and conquer.

634154

If you did not have a base case in a recursive function in C, and were working on a modern Unix-based system, what would most likely happen?

- a. Segmentation fault
- b. Stack overflow error
- *c. C wouldn't complain, but your computer would crash
- d. Nothing, that's fine
- e.
- f. "
- g. "

h. "
i. "

General Feedback:

It really depends on the program for whether it would be B or C. Both can be argued to be correct.