

Problems faced:

- 1). The major problem was to find the string within the given range. I realized since strcmp will compare the substrings in dictionary order. Intuitively if application names belonging to [A,F] should also give application name “FIFA 16 Ultimate Team” but since alphabet “F” comes before “FIFA”, strcmp will give you value less than 0. And therefore “FIFA 16 Ultimate Team” won’t come in the application names with range [A,F]. Thus, comparing strings with strcmp follows the dictionary order.
- 2). Use of pointers, using “→” notation and “.” notation for the pointers and object references was initially troublesome but the problem was sorted by debugging.

Known bugs or incomplete implementation:

No bugs and implementation is complete.

Significant Interactions:

I interacted with Professor Violet Syrotiuk, to discuss the above point 1). problem and also regarding the tree traversal.

Websites or Books referred:

- 1). Book – Cormen
- 2). https://stackoverflow.com/questions/2249108/can-i-return-in-void-function#comment2207440_2249121
- 3). <https://www.geeksforgeeks.org/return-void-functions-c/>
- 4). <https://www.geeksforgeeks.org/binary-tree-data-structure/>