

SP Assessed Exercise 1a

Authorship Statement:

I can confirm that this is my own work except for any references I have given in parts of my code and in my references list below.

Solution State:

- Compilation: It compiles without any errors or warnings.
- Test runs: It passes the text file tests (it yields no output in command line)
- Bugs: I am not aware of any bugs in my code. And I can confirm that there should be no memory leaks in my code as I debugged it using Valgrind (memory leak detection tool) to check that all memory allocations are being freed after their use.

References List:

- <https://www.geeksforgeeks.org/strdup-strndup-functions-c/>
- <https://stackoverflow.com/questions/4270357/binary-tree-applications-storing-dates>
- <https://www.youtube.com/watch?v=hfwwaNNJ-0A>
- <https://www.geeksforgeeks.org/binary-search-tree-set-1-search-and-insertion/>
- https://www.tutorialspoint.com/data_structures_algorithms/linked_list_program_in_c.htm
- <https://www.programiz.com/c-programming/online-compiler/?ref=da0106a3>
- <https://code-maze.com/csharp-switch-multiple-cases-return-same-result/>
- <https://stackoverflow.com/questions/50558860/how-to-get-string-between-the-last-occurrence-of-a-dot-and-the-end-of-the-str>
- https://www.tutorialspoint.com/c_standard_library/c_function_strchr.htm
- <https://www.geeksforgeeks.org/tolower-function-in-c/>
- https://www.ibm.com/docs/en/aix/7.1?topic=s-strcmp-strncmp-strcasecmp-strcasecmp-l-strncasecmp-strncasecmp-l-strcoll-strcoll-l-subroutine#strcmp_e65d10e933mich
- https://www.tutorialspoint.com/c_standard_library/c_function_strcmp.htm
- <https://www.geeksforgeeks.org/strdup-strndup-functions-c/>
- https://www.tutorialspoint.com/c_standard_library/c_function_sscanf.htm
- <https://stackoverflow.com/questions/5283120/date-comparison-to-find-which-is-bigger-in-c>
- <https://stackoverflow.com/questions/9181146/freeing-memory-of-a-binary-tree-c>
- <https://stackoverflow.com/questions/31629955/how-to-allow-take-only-two-digit-numbers-as-input-in-c>
- <https://github.com/Star10-Yuma/Algorithms-Implementations>
- <https://c-for-dummies.com/blog/?p=1699>