

This is a report following the submission for APH Exercise 1 by Kiril Ivov Mihaylov, matriculation number 2062132m. I have had considerable struggles with this assessed exercise (static heap variant) and I regret to admit that my final solution is not in full working condition.

The compilation output I receive is only with one warning: “ mentry.c:53: warning: comparison between pointer and integer”

The output I receive from the sibu valgrind is as follows:

```
==31349== HEAP SUMMARY:
==31349==    in use at exit: 102,190 bytes in 35 blocks
==31349==   total heap usage: 35 allocs, 0 frees, 102,190 bytes allocated
==31349==
==31349== LEAK SUMMARY:
==31349==    definitely lost: 0 bytes in 0 blocks
==31349==    indirectly lost: 0 bytes in 0 blocks
==31349==    possibly lost: 0 bytes in 0 blocks
==31349==    still reachable: 102,190 bytes in 35 blocks
==31349==           suppressed: 0 bytes in 0 blocks
==31349== Reachable blocks (those to which a pointer was found) are not shown.
==31349== To see them, rerun with: --leak-check=full --show-reachable=yes
==31349==
==31349== For counts of detected and suppressed errors, rerun with: -v
==31349== Use --track-origins=yes to see where uninitialised values come from
==31349== ERROR SUMMARY: 2 errors from 2 contexts (suppressed: 4 from 4)
Segmentation fault
```