

Report 14

Single linked list into file

In this laboratory work I created a program, that can create and display linked list. Than it save this list into text file "list.txt" and bin file "list.bin". And finally load them from binary and test files, after what display one time more

Here is output

```
(malex-kali@MA)-[~/Programming/Lab14]
└─$ gcc -g -O0 main.c -o expr

(malex-kali@MA)-[~/Programming/Lab14]
└─$ gdb ./expr
GNU gdb (Debian 13.2-1+b2) 13.2
Copyright (C) 2023 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later http://gnu.org/licenses/gpl.html
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
--Type for more, q to quit, c to continue without paging--c
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see: https://www.gnu.org/software/gdb/bugs/.
Find the GDB manual and other documentation resources online at:
http://www.gnu.org/software/gdb/documentation/.

For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from ./expr...
(gdb) r
Starting program: /home/malex-kali/Programming/Lab14/expr
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
Initial List:
30 -> 20 -> 10 -> NULL

List after loading from text file:
10 -> 20 -> 30 -> NULL

List after loading from binary file:
10 -> 20 -> 30 -> 10 -> 20 -> 30 -> NULL
[Inferior 1 (process 1041) exited normally]
(gdb) q
```

As we can see, loaded lists are similar to those we created, so this means that the code works correctly.