birthdaylinkedlist.c

This module create a linked list containing five struct_birthday elements, then output its contents to the kernel log buffer.

Environmental dependencies

OS: CentOS-8.1.1911-x86_64 Kernels: 4.18.0-147.5.1.el8_1.x86_64

Installation

Please check Makefile.

My Makefile include this information.

and then make.

```
make
```

Usage

```
insmod birthdaylinkedlist.ko
dmesg
rmmod birthdaylinkedlist.ko
dmesg
```

Trace

dmesg

Screenshots

```
[root@localhost ~]# make
make -C /usr/src/kernels/4.18.0-147.5.1.el8_1.x86_64 SUBDIRS=/root modules
make[1]: Entering directory '/usr/src/kernels/4.18.0-147.5.1.el8 1.x86 64'
  Building modules, stage 2.
  MODPOST 1 modules
WARNING: modpost: missing MODULE LICENSE() in /root/birthdaylinkedlist.o
see include/linux/module.h for more information
make[1]: Leaving directory '/usr/src/kernels/4.18.0-147.5.1.el8_1.x86_64'
[root@localhost ~]#
  1695.641040] Loading module.
  1695.641041] Creating list.
 1695.641042] NAME:Tsz Kin Lee BIRTHDAY: 1998 / 2 / 9
1695.641043] NAME:Ann Mi BIRTHDAY: 1998 / 2 / 9
 1695.641043] NAME:Andy Lau BIRTHDAY: 1978 / 9 / 3
1695.641044] NAME:Judy Chan BIRTHDAY: 1990 / 3 / 15
  1695.641044] NAME: Cheng Chi BIRTHDAY: 1996 / 5 / 4
 1695.641042] NAME:Tsz Kin Lee BIRTHDAY: 1998 / 2 / 9
 1695.641043] NAME: Ann Mi BIRTHDAY: 1998 / 2 / 9
 1695.641043] NAME: Andy Lau BIRTHDAY: 1978 / 9 / 3
 1695.641044] NAME: Judy Chan BIRTHDAY: 1990 / 3 / 15
 1695.641044] NAME: Cheng Chi BIRTHDAY: 1996 / 5 / 4
 1739.441751] Removing module.
  1739.441754] Removing Birthday [NAME:Tsz Kin Lee Birthday: 1998 / 2 / 9]
  1739.441754] Removing Birthday [NAME:Ann Mi Birthday: 1998 / 2 / 9]
  1739.441755] Removing Birthday [NAME:Andy Lau Birthday: 1978 / 9 / 3]
```

1739.441756] Removing Birthday [NAME:Judy Chan Birthday: 1990 / 3 / 15] 1739.441756] Removing Birthday [NAME:Cheng Chi Birthday: 1996 / 5 / 4]

Contact

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