## How to use

- 1. Run make to compile the kernel module.
- 2. Run make install to insert the module.
- 3. Run make mls to see if the module is loaded.
- 4. Run dmesg to see the output.
- 5. Run make rm to remove the module.
- 6. Run dmesg to see the output.

## Description

As the screenshot shows, the kernel module prints the data in the link list. dmesg command is used to verify the information.

## Screenshot

```
kfc@ubuntu:-/besktop/LOSE/link_list$ make
make - C /lib/modules/5.15.0-101-generic/build M=/home/kfc/Desktop/LOSE/link_list modules
make[1]: Entering directory 'jusy/src/linux-headers-5.15.0-101-generic'
ma CC [M] /home/kfc/Desktop/LOSE/link_list/link_list.o
MODPDST /home/kfc/Desktop/LOSE/link_list/link_list.oo.
ake LD [M] /home/kfc/Desktop/LOSE/link_list/link_list.mod.o
ake LD [M] /home/kfc/Desktop/LOSE/link_list/link_list.ko
Skipping BTF generation for /home/kfc/Desktop/LOSE/link_list.link_list.ko
Skipping BTF generation for /home/kfc/Desktop/LOSE/link_list/link_list/link_list.ko
Skipping BTF generation for /home/kfc/Desktop/LOSE/link_list/link_list.ko
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skipping BTF generation for /home/kfc/Desktop/LOSE/link_list/link_list/link_list/link_list/link_list.ko
skipping BTF generation for /home/kfc/Desktop/LOSE/link_list; make install
sudo insmod link_list.ko

kfc@ubuntu:-/Desktop/LOSE/link_list; foreen: 0, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    40403.33390} module removed
{    4087.329917} White: 255, Red: 0, Green: 0, Blue: 0
{    4087.329919} White: 0, Red: 0, Green: 255, Blue: 0
{    4087.329919} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.668678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.688678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.688678} White: 0, Red: 0, Green: 255, Blue: 0
{    4030.329917} White: 255, Red: 0, Green: 255, Blue: 0
{    4030.329917} White: 255, Red: 0, Green: 255, Blue: 0
{    4030.329917} White: 255, R
```

Figure 1: Screenshot