

CH2 Project1

jiffies

Design a kernel module that creates a /proc file named /proc/jiffies that reports the current value of jiffies when the /proc/jiffies file is read, such as with the command:

```
cat /proc/jiffies
```

Be sure to remove /proc/jiffies when the module is removed.

install

```
make MODULE_NAME=jiffies
sudo insmod jiffies.ko
```

exec

```
cat /proc/jiffies
```

uninstall

```
sudo rmmod jiffies
make clean
```

screenshot



seconds

Design a kernel module that creates a proc file named /proc/seconds that reports the number of elapsed seconds since the kernel module was loaded.

This will involve using the value of jiffies as well as the HZ rate.

When a user enters the command `cat /proc/seconds` your kernel module will report the number of seconds that have elapsed since the kernel module was first loaded.

Be sure to remove `/proc/seconds` when the module is removed.

install

```
make MODULE_NAME=seconds
sudo insmod seconds.ko
```

exec

```
cat /proc/seconds
```

uninstall

```
sudo rmmod seconds
make clean
```

screenshot

