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# 程式小組作業

### 小組分工

• 組員及負責內容:

[111590002 鄭重雨]: [Ch.2\_proj]
 [111590010 林益賢]: [Ch.3\_proj2]
 [111590027 陳睿泰]: [documentation]

○ [111590028 林柏儒]: [測試]

### Ch2說明

- 特殊環境需求:
  - Please ensure your kernel version is later than 5.6.0 in your environment, then run these commands:

```
sudo apt update
sudo apt install build-essential linux-headers-$(uname -r) # gcc + make
+ linux headers
```

#### • 編譯及使用

• 進入專案目錄後執行以下指令:

```
make
sudo insmod jiffies.ko
sudo insmod seconds.ko
```

• 執行以下指令以測試:

```
cat /proc/jiffies
cat /proc/seconds
```

o 移除模組時執行:

```
sudo rmmod jiffies.ko
sudo rmmod seconds.ko
make clean
```

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#### • 螢幕截圖

```
ericulunts:-/Downloads/CRIS nake
sudo turnod jiffias.ko

nake 
nake <pre
```

## Ch3\_proj2說明

- 特殊環境需求:
  - Please ensure your kernel version is later than 5.6.0 in your environment, then run these commands:

```
sudo apt update
sudo apt install build-essential linux-headers-$(uname -r) # gcc + make
+ linux headers
```

#### • 編譯及使用

• 進入專案目錄後執行以下指令:

```
make
sudo insmod pid.ko
```

• 執行以下指令以測試:

```
cat /proc/pid # no pid stored
echo "1" > /proc/pid
cat /proc/pid
echo "114514" > /proc/pid
cat /proc/pid # pid not found
echo "hello world" > /proc/pid # error
```

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#### o 移除模組時執行:

sudo rmmod pid.ko make clean

#### • 螢幕截圖