系統程式 HW10

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1. 產生zombie以後是否可以使用kill指令將zombie殺掉？

```
~/Downloads/SP_HW10 ❯ kill -9 9096                                          22:22:54
~/Downloads/SP_HW10 ❯ ps -aux |grep "defunct"                               22:23:04
rogewood    9096  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9098  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9100  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9102  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9104  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9106  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9108  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9110  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9112  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9114  0.0  0.0      0     0 pts/1    Z+   22:22   0:00 [zombie] <defunct>
rogewood    9212  0.0  0.0   6924  2560 pts/2    S+   22:23   0:00 grep defunct
```

Ans: 否

2. 請附上截圖證明『zombie』的確會產生10個zombie。

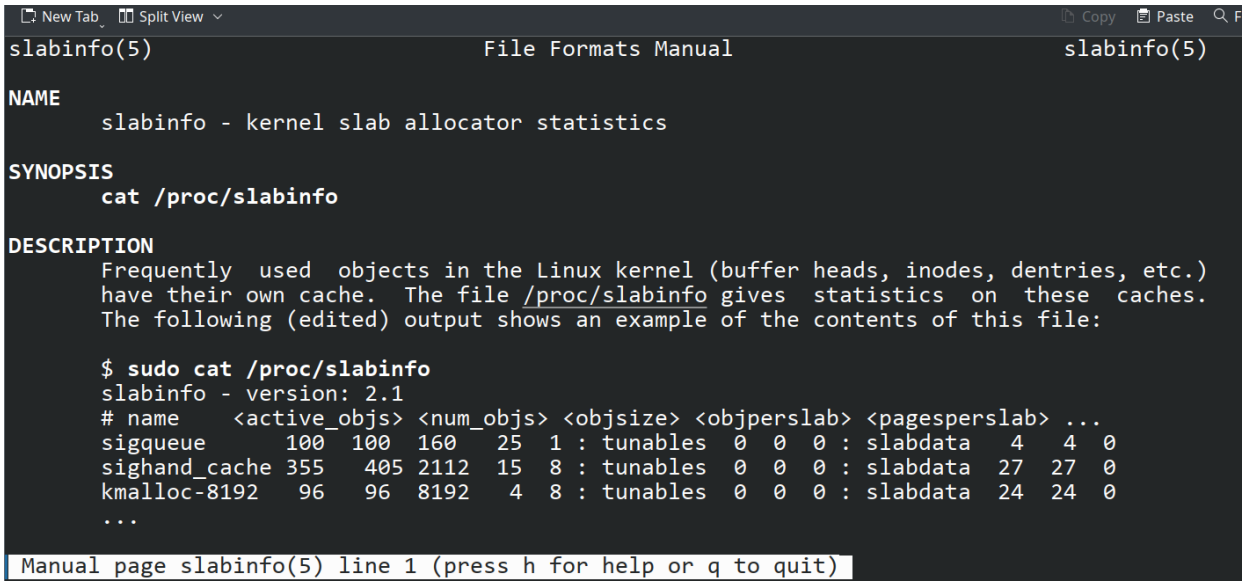
```
~/Downloads/SP_HW10 ❯ ps -aux |grep "defunct"                               22:13:05
rogewood    7892  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7894  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7896  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7898  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7900  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7902  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7904  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7906  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7908  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7910  0.0  0.0      0     0 pts/1    Z+   22:16   0:00 [zombie] <defunct>
rogewood    7997  0.0  0.0   6924  2304 pts/2    S+   22:16   0:00 grep defunct
```

3. 請附上截圖證明『nozombie』幾乎不會產生zombie

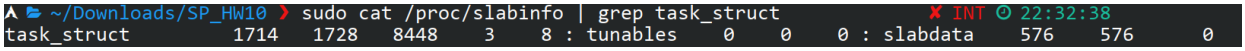
```
~/Downloads/SP_HW10 ❯ ps -aux |grep "defunct"                               22:21:39
rogewood    8874  0.0  0.0      0     0 pts/1    Z+   22:21   0:00 [nozombie] <defunct>
rogewood    9024  0.0  0.0   6924  2560 pts/2    S+   22:21   0:00 grep defunct
```

4. 請說明你的系統中『task_struct』到底有多大，並附上截圖證明你的說法

`man slabinfo`




```
sudo cat /proc/slabinfo | grep task_struct
```



8448 bytes

註: 有參考學長姐的作業