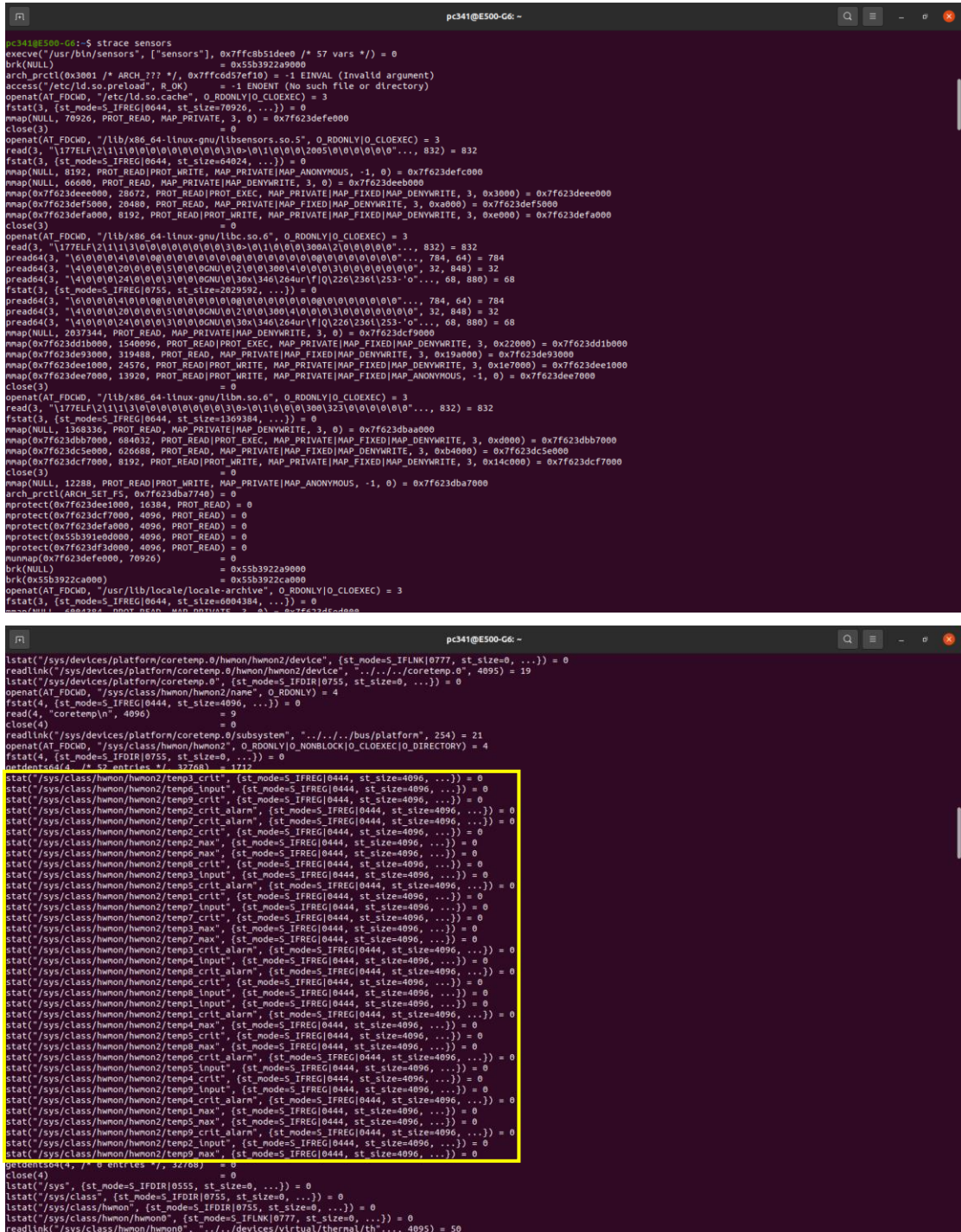


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1. 說明你怎樣使用 **strace** 得知你的 CPU 的溫度在哪個檔案中（附上截圖）



用 `strace sensors` 發現在 `/sys/class/hwmon/hwmon2` 下很多 `temp` 檔被 `stat`

```
pc341@E500-G6: /sys/class/hwmon/hwmon2
name      temp1_input  temp2_input  temp3_input  temp4_input  temp5_input  temp6_input  temp7_input  temp8_input  temp9_input
power     temp1_label  temp2_label  temp3_label  temp4_label  temp5_label  temp6_label  temp7_label  temp8_label  temp9_label
subsystem temp1_max    temp2_max    temp3_max    temp4_max    temp5_max    temp6_max    temp7_max    temp8_max    temp9_max
temp1_crit temp2_crit  temp3_crit  temp4_crit  temp5_crit  temp6_crit  temp7_crit  temp8_crit  temp9_crit  uevent
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp2_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp3_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp4_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp5_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp6_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp7_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp8_input
26000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp9_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ sensors
coretemp-isa-0000
Adapter: ISA adapter
Package id 0: +28.0°C (high = +80.0°C, crit = +100.0°C)
Core 0:      +26.0°C (high = +80.0°C, crit = +100.0°C)
Core 1:      +28.0°C (high = +80.0°C, crit = +100.0°C)
Core 2:      +27.0°C (high = +80.0°C, crit = +100.0°C)
Core 3:      +27.0°C (high = +80.0°C, crit = +100.0°C)
Core 4:      +27.0°C (high = +80.0°C, crit = +100.0°C)
Core 5:      +28.0°C (high = +80.0°C, crit = +100.0°C)
Core 6:      +26.0°C (high = +80.0°C, crit = +100.0°C)
Core 7:      +28.0°C (high = +80.0°C, crit = +100.0°C)

acpitz-acpi-0
Adapter: ACPI interface
temp1:      +27.8°C (crit = +119.0°C)
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_max
80000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_crit
100000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_label
Package id 0
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_crit_alarm
0
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp2_input
26000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp2_label
Core 0
```

cat temp 檔後便知道 input 截尾的是溫度。

```
pc341@E500-G6: /sys/class/hwmon/hwmon2
close(3) = 0
openat(AT_FDCWD, "/sys/class/hwmon/hwmon0/temp1_crit", O_RDONLY) = 3
fstat(3, {st_mode=S_IFREG(0444), st_size=4096, ...}) = 0
read(3, "119000\n", 4096) = 7
close(3) = 0
write(1, "temp1:      +27.8(302)260C (crit = \"..., 43temp1:      +27.8°C (crit = +119.0°C)
") = 43
write(1, "\n", 1) = 1
exit_group(0) = 7
+++ exited with 0 +++
pc341@E500-G6: /sys/class/hwmon/hwmon2$ ls
device      temp1_crit_alarm temp2_crit_alarm temp3_crit_alarm temp4_crit_alarm temp5_crit_alarm temp6_crit_alarm temp7_crit_alarm temp8_crit_alarm temp9_crit_alarm
name        temp1_input       temp2_input       temp3_input       temp4_input       temp5_input       temp6_input       temp7_input       temp8_input       temp9_input
power       temp1_label       temp2_label       temp3_label       temp4_label       temp5_label       temp6_label       temp7_label       temp8_label       temp9_label
subsystem   temp1_max         temp2_max         temp3_max         temp4_max         temp5_max         temp6_max         temp7_max         temp8_max         temp9_max
temp1_crit  temp2_crit        temp3_crit        temp4_crit        temp5_crit        temp6_crit        temp7_crit        temp8_crit        temp9_crit        uevent
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp1_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp2_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp3_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp4_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp5_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp6_input
27000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp7_input
28000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp8_input
26000
pc341@E500-G6: /sys/class/hwmon/hwmon2$ cat temp9_input
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Core 3:      +27.0°C (high = +80.0°C, crit = +100.0°C)
Core 4:      +27.0°C (high = +80.0°C, crit = +100.0°C)
Core 5:      +28.0°C (high = +80.0°C, crit = +100.0°C)
Core 6:      +26.0°C (high = +80.0°C, crit = +100.0°C)
Core 7:      +28.0°C (high = +80.0°C, crit = +100.0°C)

acpitz-acpi-0
Adapter: ACPI interface
temp1:      +27.8°C (crit = +119.0°C)
pc341@E500-G6: /sys/class/hwmon/hwmon2$
```

Input 和 core 的溫度也分別對應。

2. 附上截圖說明你完成的部分（例如：印出各核心的溫度，或者是印出 CPU 的總體溫度）

溫度降到指定溫度以下，程式自動停止。

```
pc341@E500-G6:~/oshw6$ ./test
target = 35
CPU01: 01 sec 🌟🔥🌟🔥 29.00 °C
CPU02: 01 sec 🌟🔥🌟🔥 30.00 °C
CPU03: 01 sec 🌟🔥🌟🔥 30.00 °C
CPU04: 01 sec 🌟🔥🌟🔥 30.00 °C
CPU05: 01 sec 🌟🔥🌟🔥 29.00 °C
CPU06: 01 sec 🌟🔥🌟🔥 30.00 °C
CPU07: 01 sec 🌟🔥🌟🔥 29.00 °C
-----
```

test 跟繳交的 waitTemp 是一樣的，截圖忘記改到 QQ