Jetson Xavier NX Fan speed controlling

When you got the Xavier NX development board, you found that it was running hot but the cooling fan never turned.

1. Inputting following command to install hardware temperature detection tool sensors:

sudo apt install lm-sensors

```
nx@nx-desktop:~$ sudo apt install lm-sensors
[sudo] password for nx:
Sorry, try again.
[sudo] password for nx:
Reading package lists... Done
Building dependency tree
```

2.Input following command:

sensors

```
nx@nx-desktop:~$ sensors
thermal-fan-est-virtual-0
Adapter: Virtual device
temp1:        +34.5°C
```

3. Input following command to open fan. If speed is 0, cooling fan will not rotate.

sudo jetson_clocks

4. Input following command to enter path of fan controling

cd /sys/devices/pwm-fan

```
nx@nx-desktop:~$ cd /sys/devices/pwm-fan/
```

sudo vi target_pwm

```
nx@nx-desktop:/sys/devices/pwm-fan$ sudo vi target_pwm
```

For example, my speed is 150. You can set speed by yourself.

```
150
~
~
```