READING THE ANALOG INPUT

EXPORT ANALOG INPUT PORTS

echo cape-bone-iio > /sys/devices/bone_capemgr.*/slots

READING THE VALUE

find /sys/ -name '*AIN*'

```
/sys/devices/ocp.2/helper.14/AIN0
/sys/devices/ocp.2/helper.14/AIN1
/sys/devices/ocp.2/helper.14/AIN2
/sys/devices/ocp.2/helper.14/AIN3
/sys/devices/ocp.2/helper.14/AIN4
/sys/devices/ocp.2/helper.14/AIN5
/sys/devices/ocp.2/helper.14/AIN6
/sys/devices/ocp.2/helper.14/AIN7
```

cd /sys/devices/ocp.2/helper.14

cat AIN1

******* This will show the analog value of the pin*******

0.1V = 100 as per the value shown

So, the value shown divided by 1000, multiplied and rescaled to 24V

1800 = 24V

1 = 24/1800

So, the value shown*24/1800

If value is 1000, then input voltage is

=1000*24/1800

=13.33 V