

```
lot@lot: ~
Starting Redis Server...
Starting Update UTMP about System RunLevel Changes...
[ OK ] Started Update UTMP about System RunLevel Changes.
[ OK ] Started Redis Server.

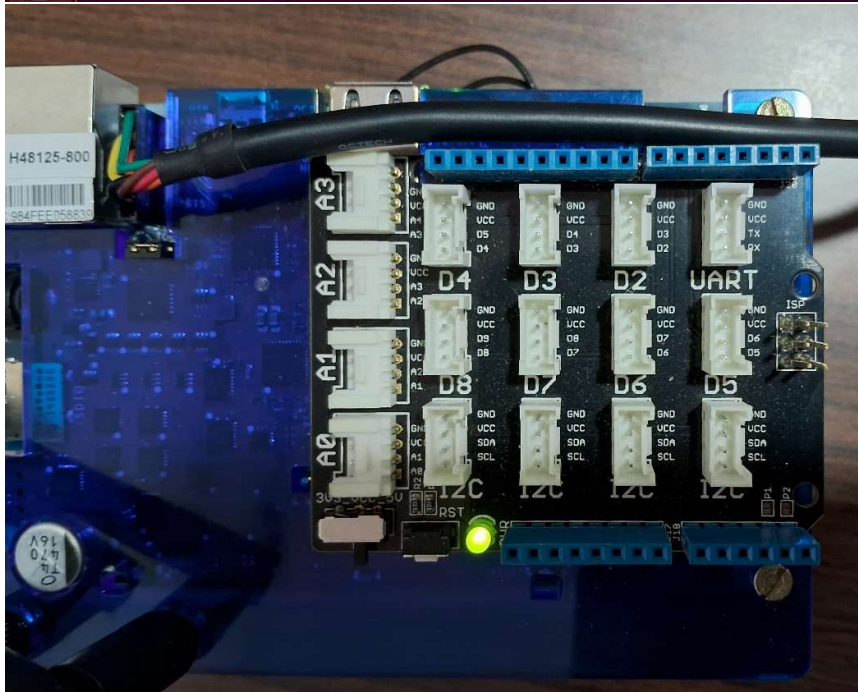
galileo Login: root
root@galileo:~# connmanctl
connmanctl> enable wifi
Error wifi: Already enabled
connmanctl> scan wifi
Scan completed for wifi
connmanctl> services
CCOENAGPUB wifi_6817296585ba_47434f454e4147505552_managed_psk
DIRECT-fa HP M283 LaserJet wifi_6817296585ba_4449524543542d66612d4b502b4c3238332094c617365724a6574_managed_psk
jioNetGovt_Engineering wifi_6817296585ba_4a505f4e574404767676745f456e7f396e83572696e7_managed_none
jioPrivateNet wifi_6817296585ba_4a696f507269766174654e6574_managed_teeeb021x
Akhilesh wifi_6817296585ba_416b68696c65736820_managed_psk
connmanctl> config wifi_6817296585ba_47434f454e4147505552_managed_psk
connmanctl> agent on
Agent registered
connmanctl> connect wifi_6817296585ba_47434f454e4147505552_managed_psk
Agent RequestInput wifi_6817296585ba_47434f454e4147505552_managed_psk
Passphrase = [ Type=psk, Requirement=Mandatory ]
Passphrase? $dning123
connmanctl> [ 75.657035] wlp1s0: authenticate with a4:2a:95:4a:fe:e0
[ 75.670421] wlp1s0: send auth to a4:2a:95:4a:fe:e0 (try 1/3)
[ 75.680515] wlp1s0: authenticated
[ 75.700165] wlp1s0: associate with a4:2a:95:4a:fe:e0 (try 1/3)
[ 75.732739] wlp1s0: RX AssocResp from a4:2a:95:4a:fe:e0 (capab=0x431 status=0 aid=1)
[ 75.776657] wlp1s0: associated
[ 75.779968] IPv6: ADDRCONF(NETDEV_CHANGE): wlp1s0: link becomes ready
Connected wifi_6817296585ba_47434f454e4147505552_managed_psk
connmanctl> exit
root@galileo:~# ifconfig
enp0s20f6 Link encap:Ethernet HWaddr 98:4F:EE:05:88:39
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
Interrupt:50 Base address:0x4000

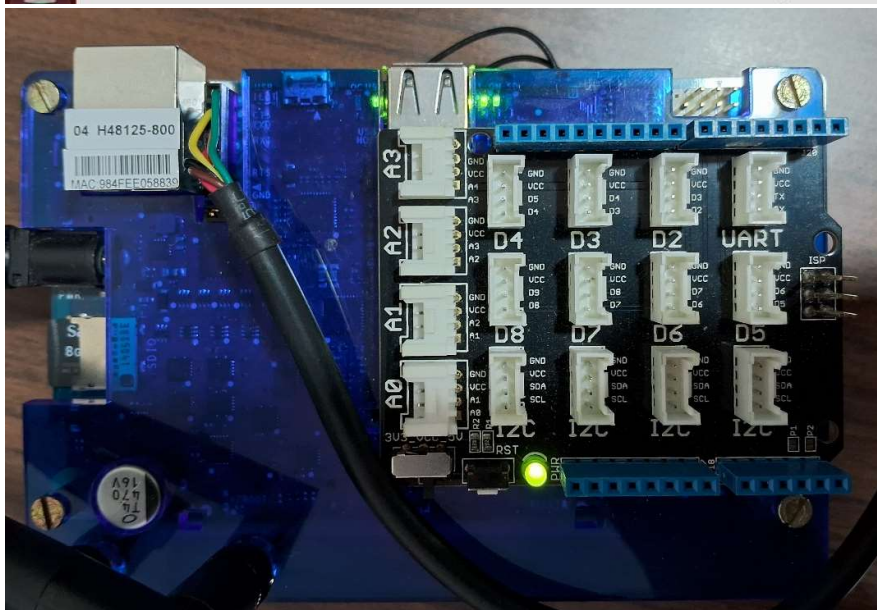
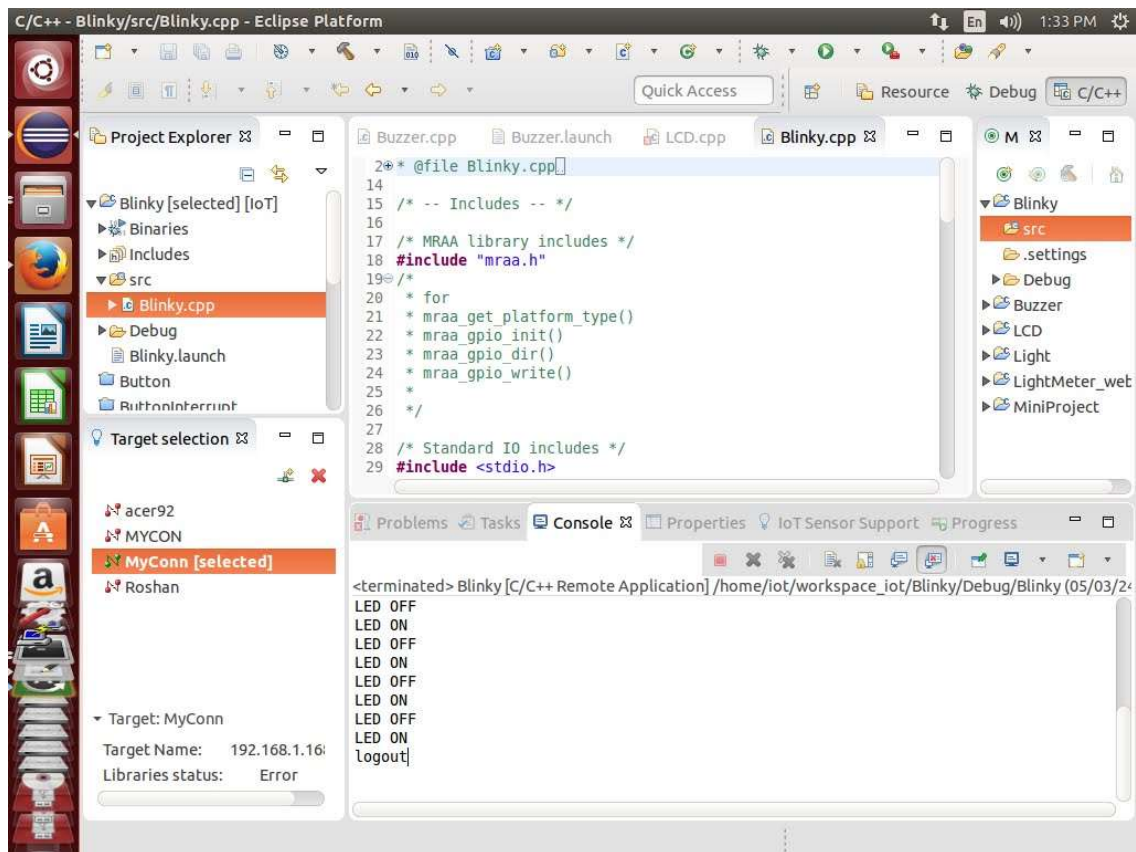
enp0s20f6:avahi Link encap:Ethernet HWaddr 98:4F:EE:05:88:39
inet addr:169.254.0.129 Bcast:169.254.255.255 Mask:255.255.0.0
UP BROADCAST MULTICAST MTU:1500 Metric:1
Interrupt:50 Base address:0x4000

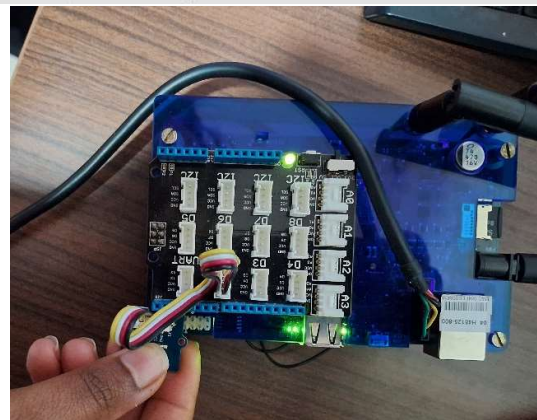
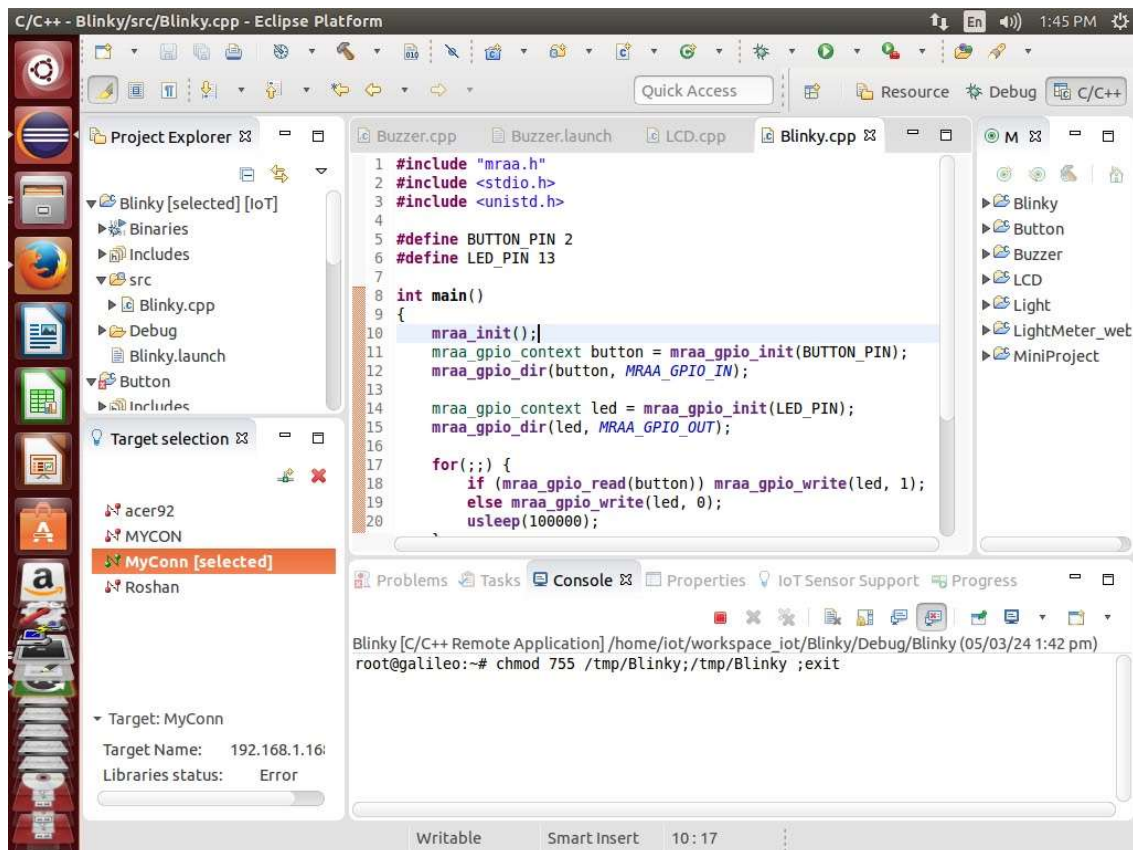
lo
Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:320 errors:0 dropped:0 overruns:0 frame:0
TX packets:320 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:23680 (23.1 KiB) TX bytes:23680 (23.1 KiB)

wlp1s0
Link encap:Ethernet HWaddr 68:17:29:65:85:8a
inet addr:192.168.1.168 Bcast:192.168.7.255 Mask:255.255.248.0
inet6 addr: fe80::gal7:29ff:fe65:85ba/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:25793 errors:0 dropped:22 overruns:0 frame:0
TX packets:54 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:2224507 (2.1 MiB) TX bytes:9432 (9.2 KiB)

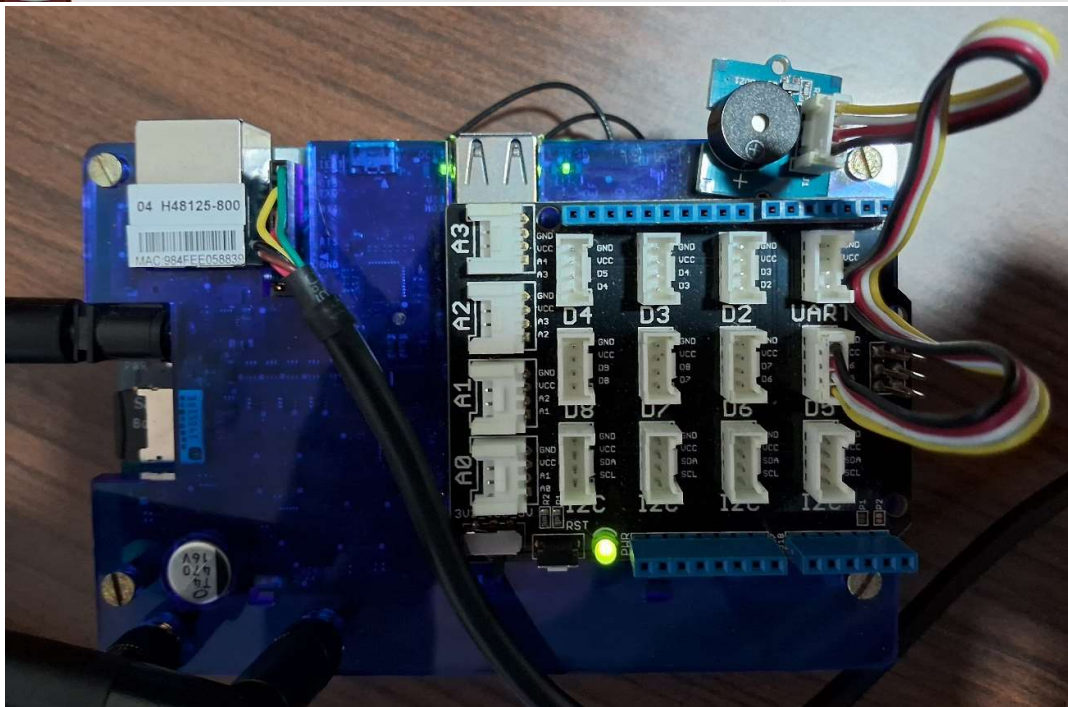
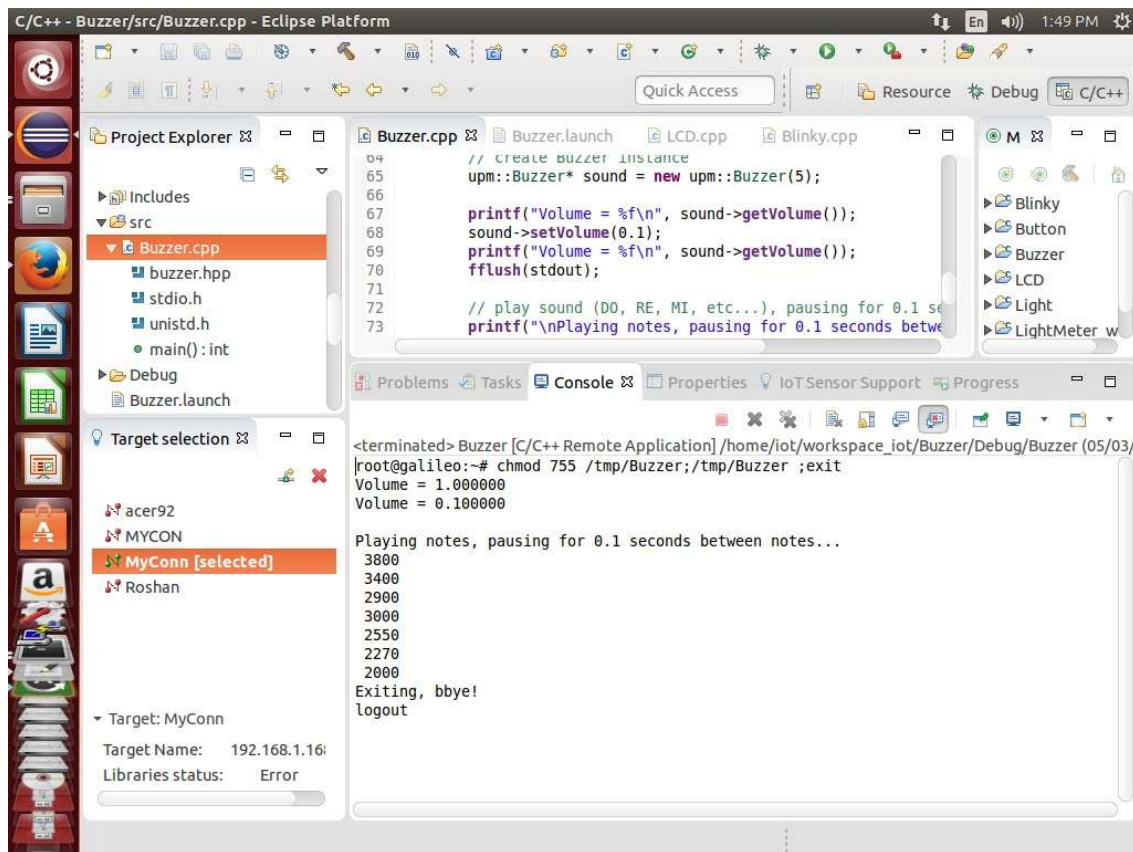
root@galileo:~# echo -e '#!/bin/bash\nREPO_PATH=/cat /etc/opkg/lotkit.conf 2> /droot@galileo:~# echo -e '#!/bin/bash\nREPO_PATH=/cat /etc/opkg/lotkit.conf 2> /droot@galileo:~# ^C
root@galileo:~#
```









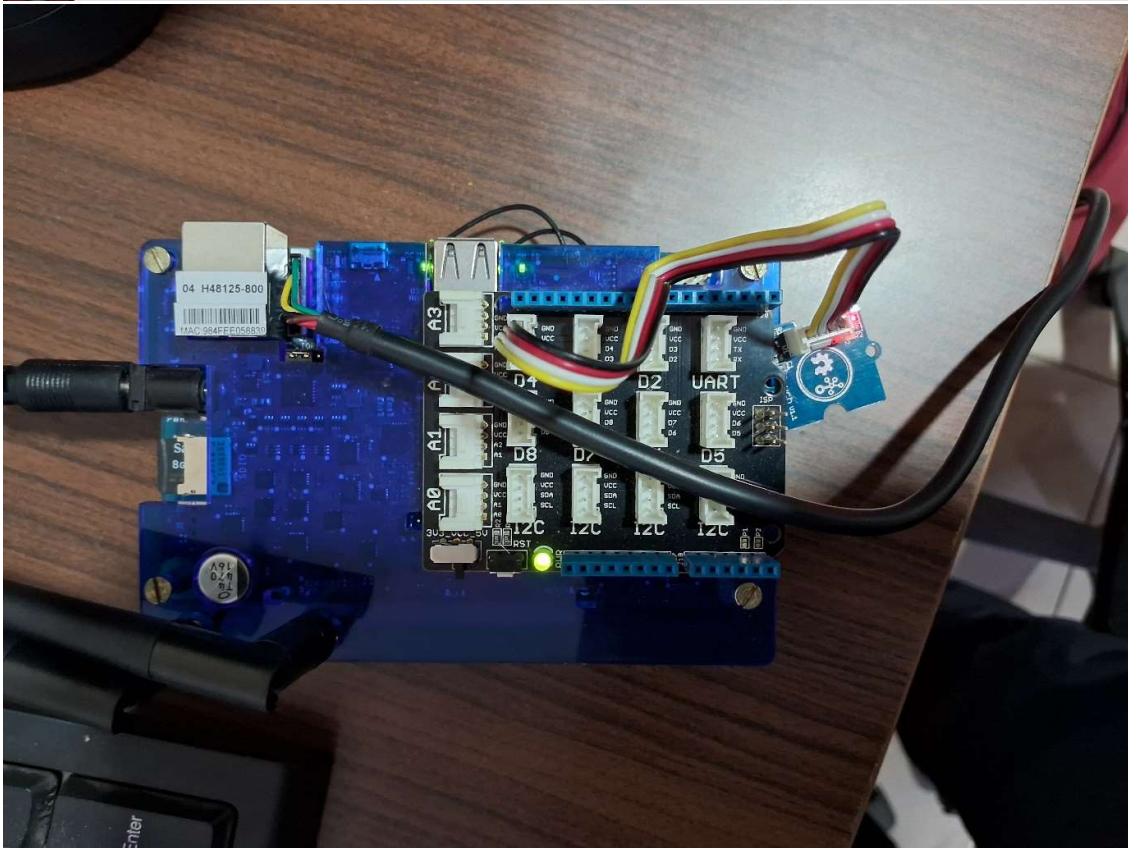


The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer:** Displays the project structure for 'Temperature'. The 'src' folder contains 'Temperature.cpp', which is the active file.
- Target selection:** Lists available targets: 'acer92', 'MYCON', 'MyConn [selected]', and 'Roshan'.
- Console:** Shows the execution output:
 

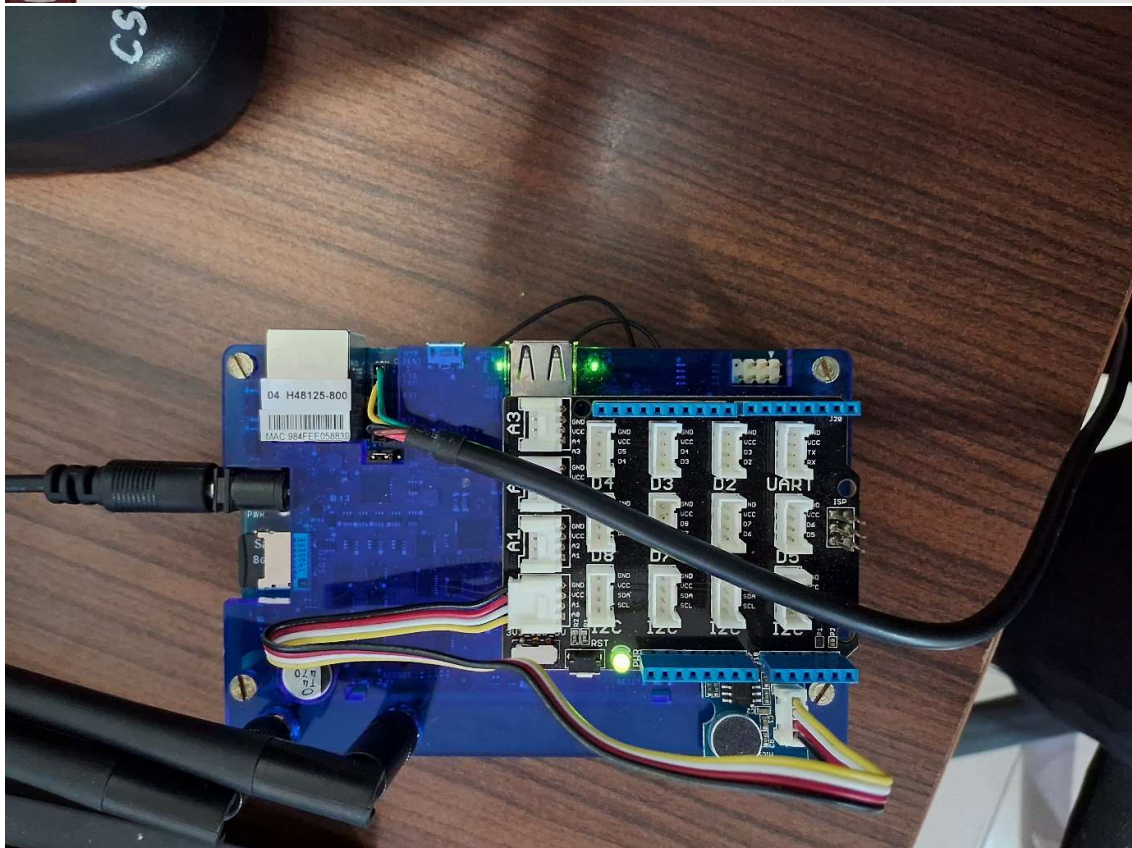
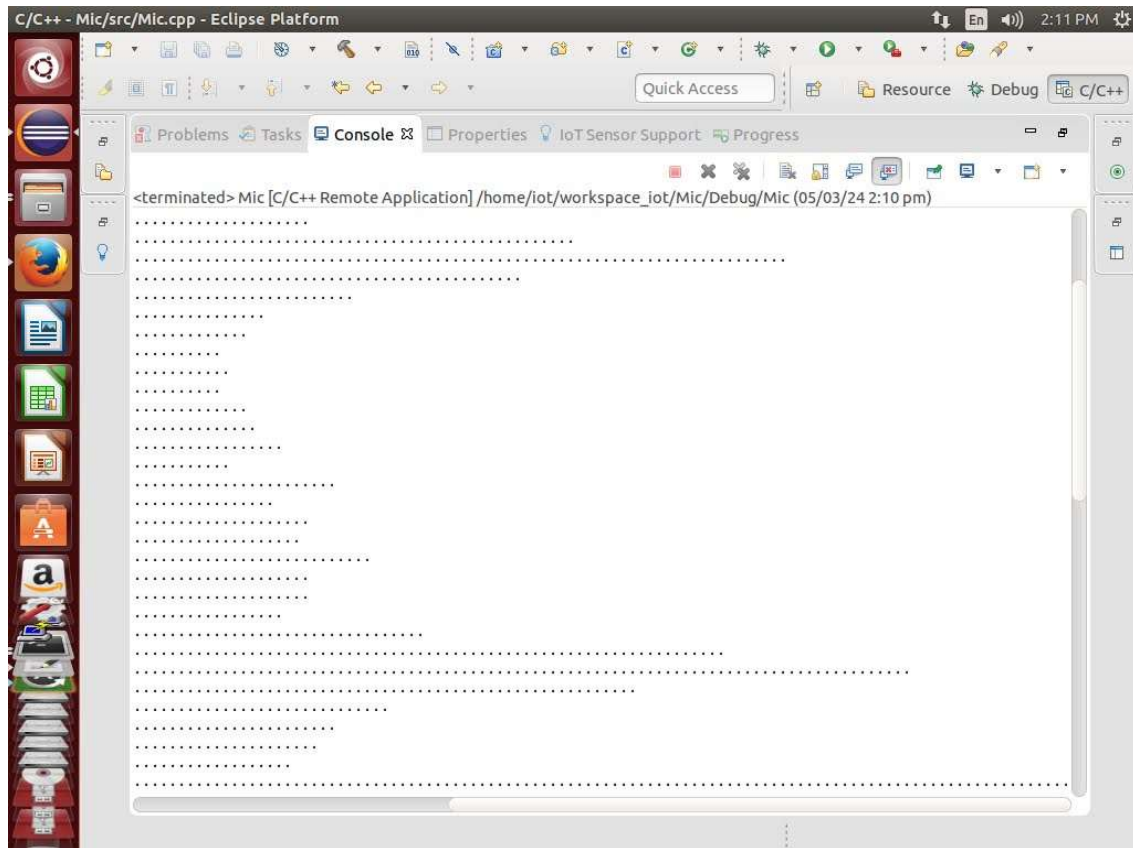
```
<terminated> Temperature [C/C++ Remote Application] /home/iot/workspace_iot/Temperature/Debug/T
[root@galileo:~# chmod 755 /tmp/Temperature;/tmp/Temperature ;exit
ADC A0 read value : 597
Temperature value : 32.19 Degree Celsius
ADC A0 read value : 605
Temperature value : 32.89 Degree Celsius
ADC A0 read value : 616
Temperature value : 33.87 Degree Celsius
ADC A0 read value : 616
Temperature value : 33.87 Degree Celsius
ADC A0 read value : 564
Temperature value : 29.35 Degree Celsius
ADC A0 read value : 515
Temperature value : 25.28 Degree Celsius
ADC A0 read value : 498
Temperature value : 23.91 Degree Celsius
ADC A0 read value : 494
Temperature value : 23.58 Degree Celsius
ADC A0 read value : 496
Temperature value : 23.74 Degree Celsius
ADC A0 read value : 504
Temperature value : 24.39 Degree Celsius
Exiting .. Bye!logout
```



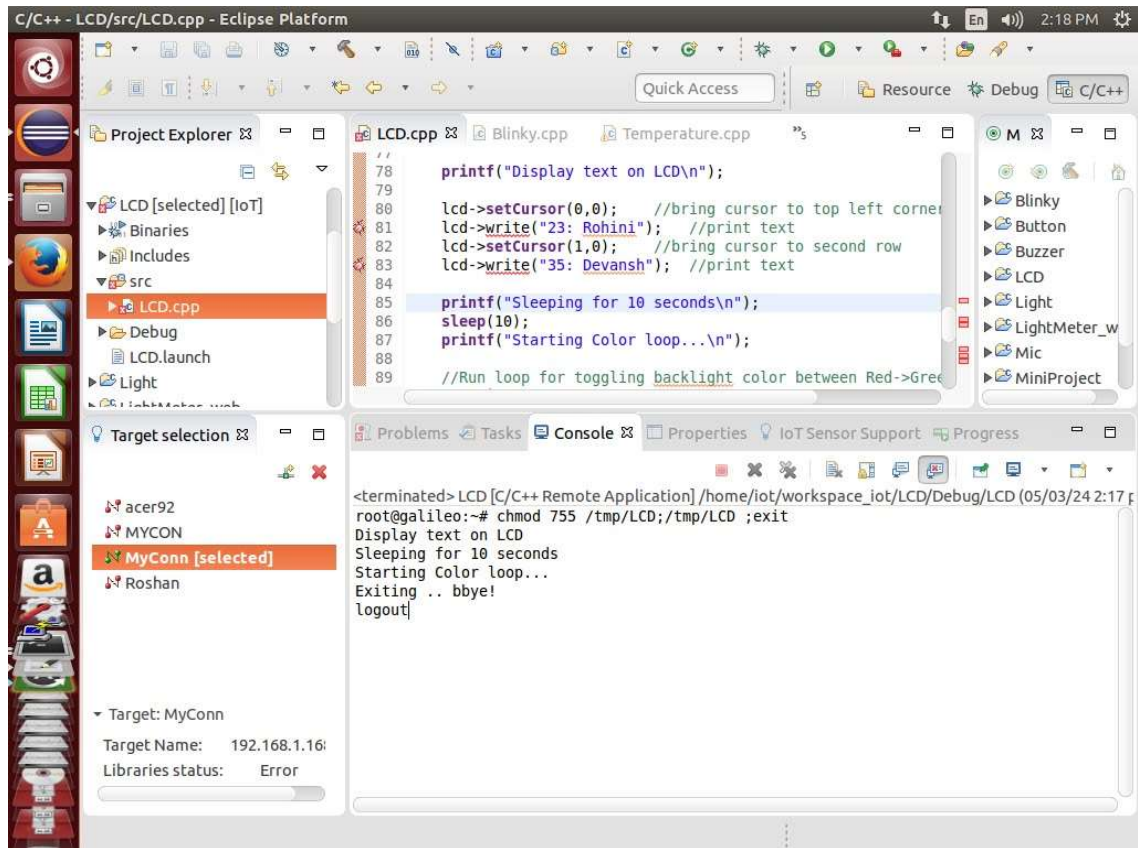
















C/C++ - RotaryAngle/src/RotaryAngle.cpp - Eclipse Platform

Project Explorer

- MiniProject
  - PWM
  - RotaryAngle [selected] [IoT]
    - Binaries
    - Includes
    - src
      - RotaryAngle.cpp
    - Debug

Target selection

- acer92
- MYCON
- MyConn [selected]
- Roshan

Target: MyConn

Target Name: 192.168.1.16

Libraries status: Error

Console

```
<terminated> RotaryAngle [C/C++ Remote Application] /home/iot/workspace_iot/RotaryAngle/Debug/Ro
|root@galileo:~# chmod 755 /tmp/RotaryAngle;/tmp/RotaryAngle; exit
Absolute: 0 raw 0.00 deg = 0.00 rad Relative: -512 raw -150.15 deg -2.62 rad
Absolute: 0 raw 0.00 deg = 0.00 rad Relative: -512 raw -150.15 deg -2.62 rad
Absolute: 0 raw 0.00 deg = 0.00 rad Relative: -512 raw -150.15 deg -2.62 rad
Absolute: 25 raw 7.33 deg = 0.13 rad Relative: -487 raw -142.82 deg -2.49 rad
Absolute: 95 raw 27.86 deg = 0.49 rad Relative: -417 raw -122.29 deg -2.13 rad
Absolute: 138 raw 40.47 deg = 0.71 rad Relative: -374 raw -109.38 deg -1.91 rad
Absolute: 187 raw 54.84 deg = 0.96 rad Relative: -325 raw -95.01 deg -1.66 rad
Absolute: 229 raw 67.16 deg = 1.17 rad Relative: -283 raw -82.99 deg -1.45 rad
Absolute: 264 raw 77.42 deg = 1.35 rad Relative: -248 raw -72.73 deg -1.27 rad
Absolute: 319 raw 93.55 deg = 1.63 rad Relative: -193 raw -56.60 deg -0.99 rad
Absolute: 388 raw 113.78 deg = 1.98 rad Relative: -125 raw -36.36 deg -0.63 rad
Absolute: 482 raw 141.35 deg = 2.47 rad Relative: -30 raw -8.50 deg -0.15 rad
Absolute: 613 raw 179.77 deg = 3.14 rad Relative: 102 raw 30.21 deg 0.53 rad
Absolute: 688 raw 202.05 deg = 3.53 rad Relative: 178 raw 52.20 deg 0.91 rad
Absolute: 768 raw 225.51 deg = 3.94 rad Relative: 257 raw 75.37 deg 1.32 rad
Absolute: 815 raw 239.30 deg = 4.18 rad Relative: 305 raw 89.15 deg 1.56 rad
Absolute: 853 raw 250.15 deg = 4.37 rad Relative: 343 raw 100.59 deg 1.76 rad
Absolute: 940 raw 275.66 deg = 4.82 rad Relative: 429 raw 125.81 deg 2.20 rad
Absolute: 1023 raw 300.00 deg = 5.24 rad Relative: 511 raw 149.85 deg 2.62 rad
Absolute: 1023 raw 300.00 deg = 5.24 rad Relative: 511 raw 149.85 deg 2.62 rad
Absolute: 1023 raw 300.00 deg = 5.24 rad Relative: 511 raw 149.85 deg 2.62 rad
Absolute: 1023 raw 300.00 deg = 5.23 rad Relative: 511 raw 149.85 deg 2.62 rad
```

Launching RotaryAngle

