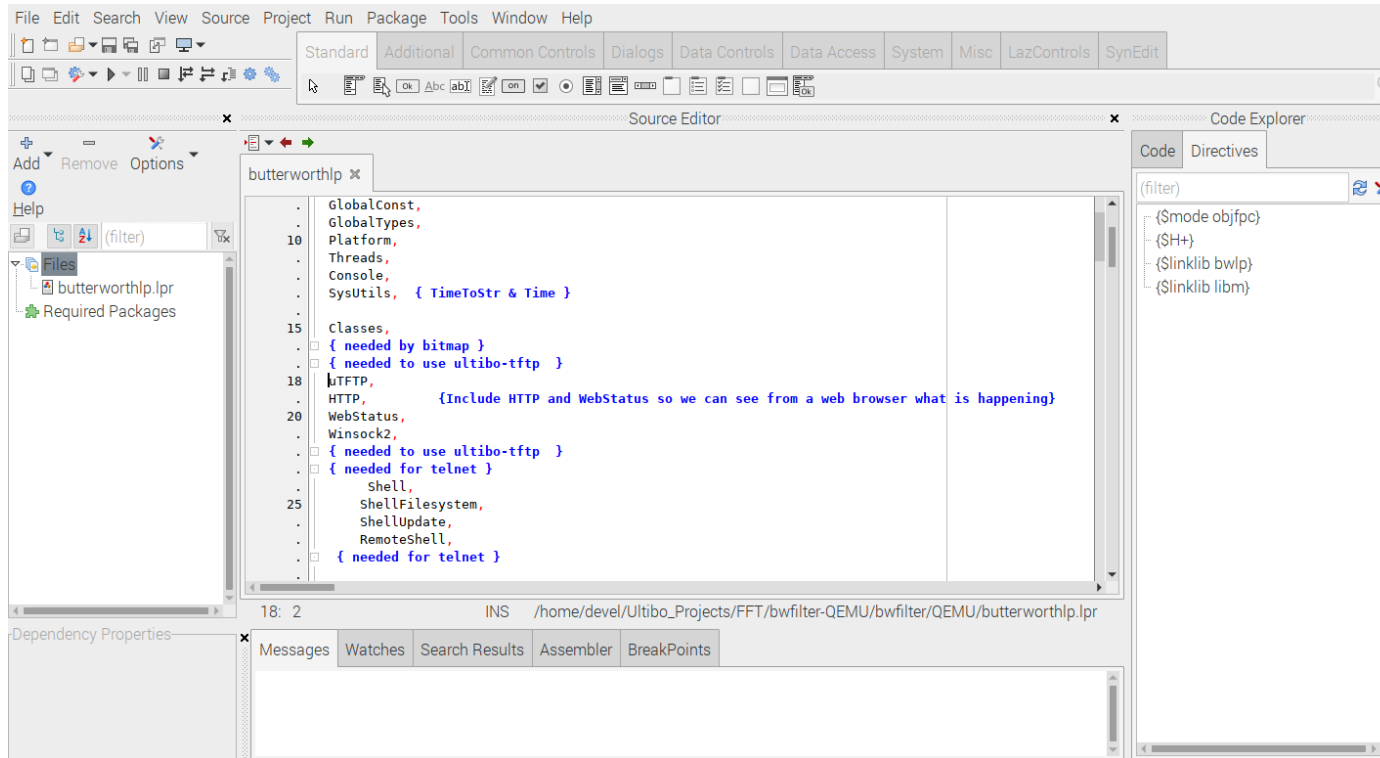
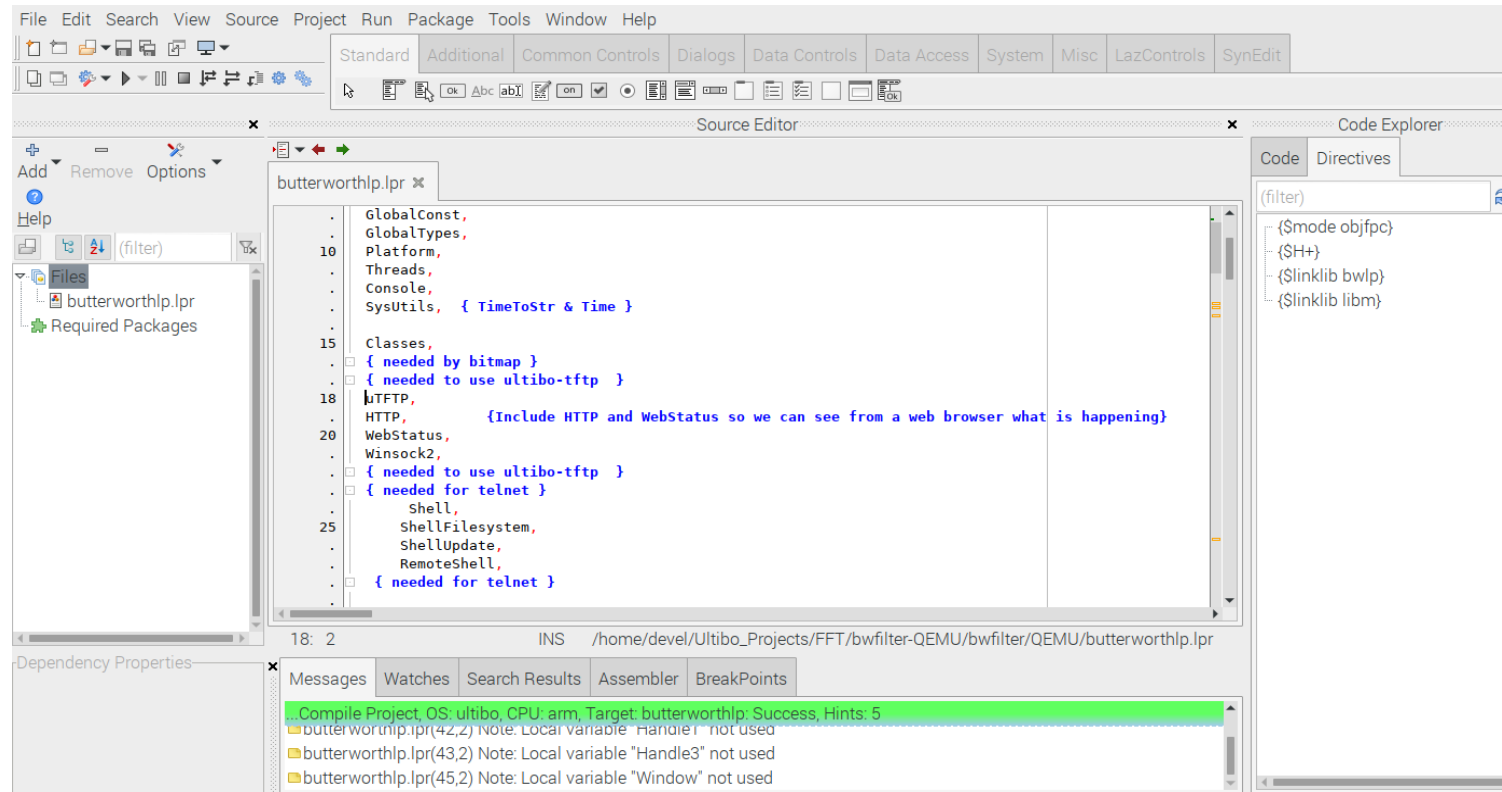


Bare Metal QEMU Butterworth LP Filter.

devel@pi4-60:~ \$./ultibo/core/lazarus.sh





Steps to compile kernel.bin

- `devel@pi4-60:~/Ultibo_Projects/FFT/bwfilter-QEMU/bwfilter $./compile-ultibo.sh`
- Compile the `butterworthlp.lpi` using Lazarus IDE (Ultibo-Edition)

devel@pi4-60:~/Ultibo_Projects/FFT/bwfilter-QEMU/bwfilter/QEMU \$./startqemu.sh

```
Machine View
Ultibo Core (Release: Beetroot Version: 2.5.123 Date: 23 August 2022)

16:31:32
TFTP Demo.
# Butterworth lowpass filter coefficients.
# Produced by bwlp.
# Filter order: 6
# Cutoff Freq.: 0.240000000000000
# Scaling factor: 0.000857536445007
0.000857536445007
0.005145218670045
0.012863046675112
0.017450728900150
0.012863046675112
0.005145218670045
0.000857536445007
1.0000000000000
-3.098541673366
4.416436920796
-3.556586400823
1.685139137025
-0.441124009092
0.049558357940
16:31:33
Local Address 10.0.2.15
TFTP Ready.
16:31:33
```