Load and run uClinux and helloworld on LPC2478 using Ubuntu

All Ip-addresses are just examples!

Look-up your computer(tftp-server) ip by typing ifconfig in the Ubuntu terminal after you connect it to the router!

1. Connect the board to the PC using the NULL-modem cable
2. Connect the board and PC to a router
3. Run tftp-server
4. Make sure romfs_5.img, vmlinux.bin and helloworld are in your tftp folder
5. Open Terminal
6. Install picocom(if NOT installed already) : sudo apt-get install picocom
7. sudo picocom -b 115200 /dev/ttyUSB0
8. Power-on the LPC2478
   Save tftp server and board address for u-boot
9. setenv serverip 192.168.1.100
10. setenv ipaddr 192.168.1.20
11. setenv gatewayip 192.168.1.1
12. saveenv
    Load data to the board
13. tftpboot 0xa0800000 192.168.1.100:romfs_5.img
14. tftpboot 0xa0008000 192.168.1.100:vmlinux.bin
    Run uClinux
15. go a0008000
    uCLinux is started
    Setup the boards ip-adress in uClinux
16. ifconfig eth0 192.168.1.20
    Load helloworld program to the board and run it
17. cd var
18. tftp -g -r helloworld 192.168.1.100
19. chmod +x helloworld
20. ./helloworld
    You should see the message "Hello world!" in the terminal on PC

    Good luck! :)