Task 1

1. After Building on x86 machine the compiler to compile ARM and test with main.c and give the path to the compiler so it gives the a.out.

```
Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯ ~/x-tools/arm-Aliaa-linux-uclibcgnueabihf/bin/arm-Aliaa-linux-uclibcgnueabihf-gcc main.c

Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯ ls
a.out  crosstool-ng  main.c  README.md

Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯ file a.out
a.out: ELF 32-bit LSB executable, ARM, EABI5 version 1 (SYSV), dynamically linked, interpreter /lib/ld-uClibc.so.0, not strippe
d
```

2. So i can't run the a.out on the x86 machine so i need qemu (an Emulator) and give it the path to the uclibc in the sysroot.

```
Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯ qemu-arm ./a.out -L ~/x-tools/arm-Aliaa-linux-uclibcgnueabihf/arm-Aliaa-linux-uclibcgnueabihf/sysroot/
qemu-arm: Could not open '/lib/ld-uClibc.so.0': No such file or directory

Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯ qemu-arm -L ~/x-tools/arm-Aliaa-linux-uclibcgnueabihf/arm-Aliaa-linux-uclibcgnueabihf/sysroot/ ./a.out
Hello
Embedded_LinuxKitchen on ◿ main [?] via C v11.4.0-gcc
❯
```