**LEC 2 Task (Youssef Samy Youssef)**

In this lab1: you have to create a baremetal Software to send a “learn-in-depth:” using UART

**Tools:-**

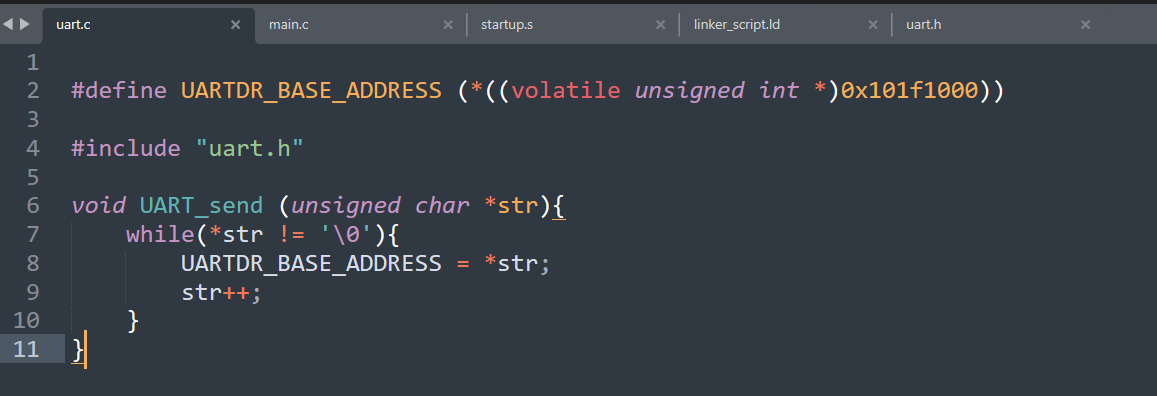
* QEMU
* GNU ARM TOOLCHAIN

**C:\Users\asus\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\33E8075E9970DE0CFEA955AFD4644BB2\WhatsApp Image 2024-06-14 at 00.00.57_7b43ceca.jpgBoard:**

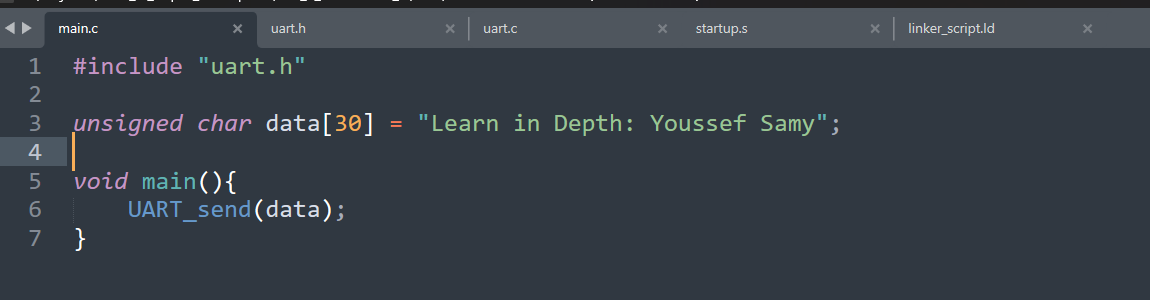
**Codes:**

*Create files*

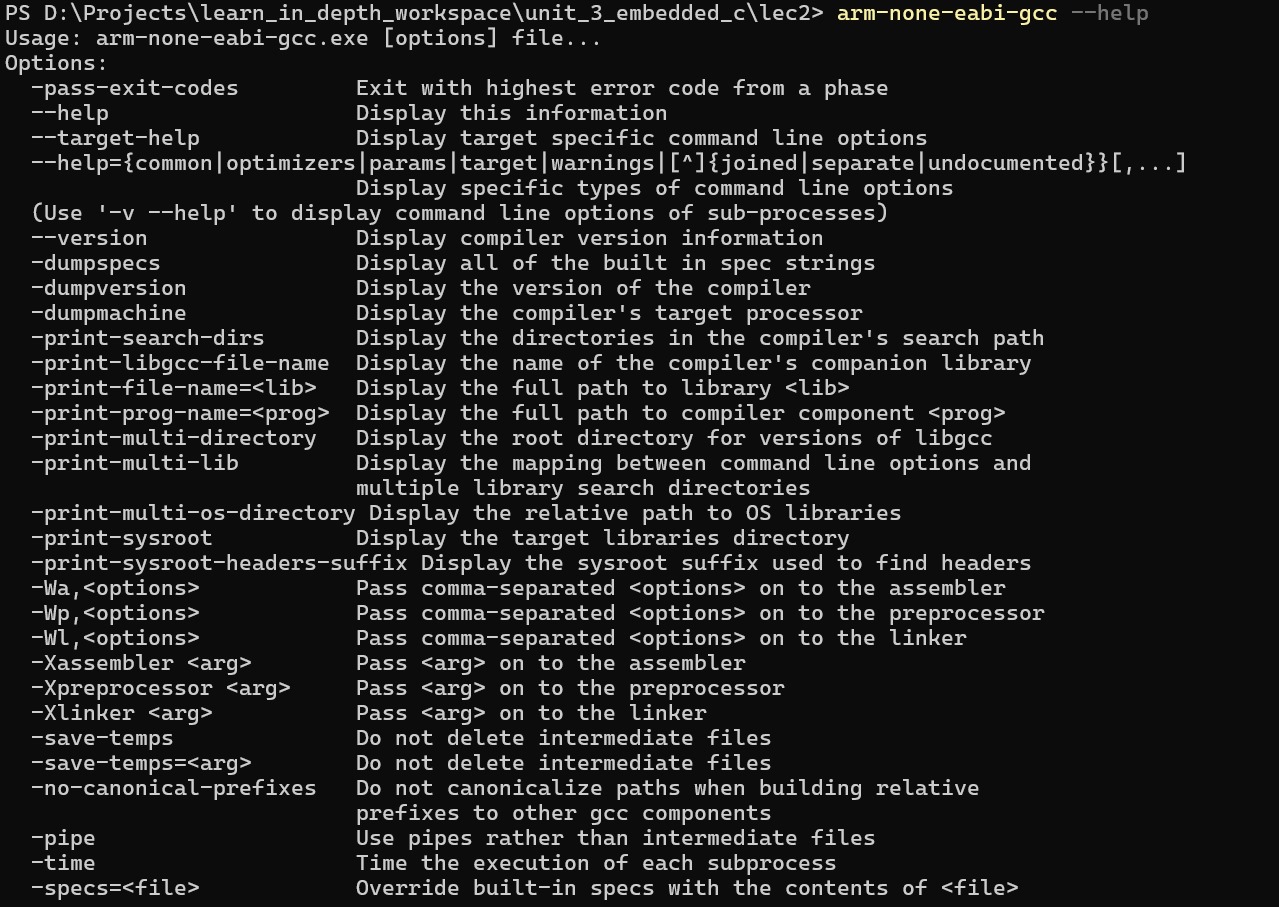
C:\Users\asus\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\11B921EF080F7736089C757404650E40\WhatsApp Image 2024-06-14 at 00.13.50_78dbbaaa.jpg



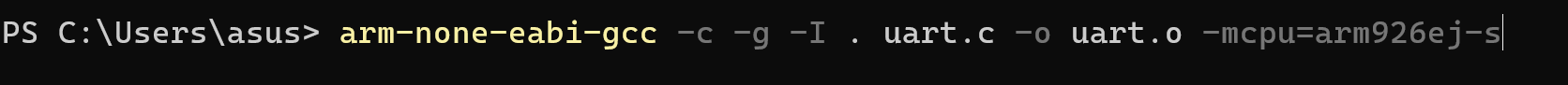


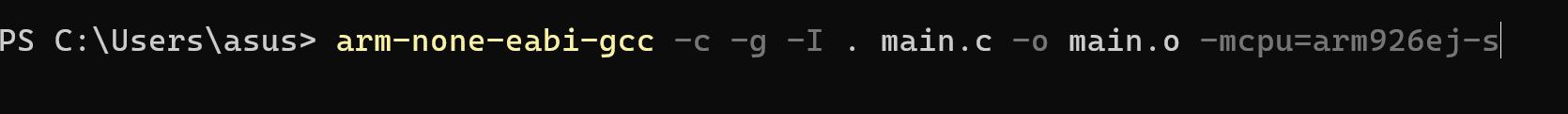


*Help*

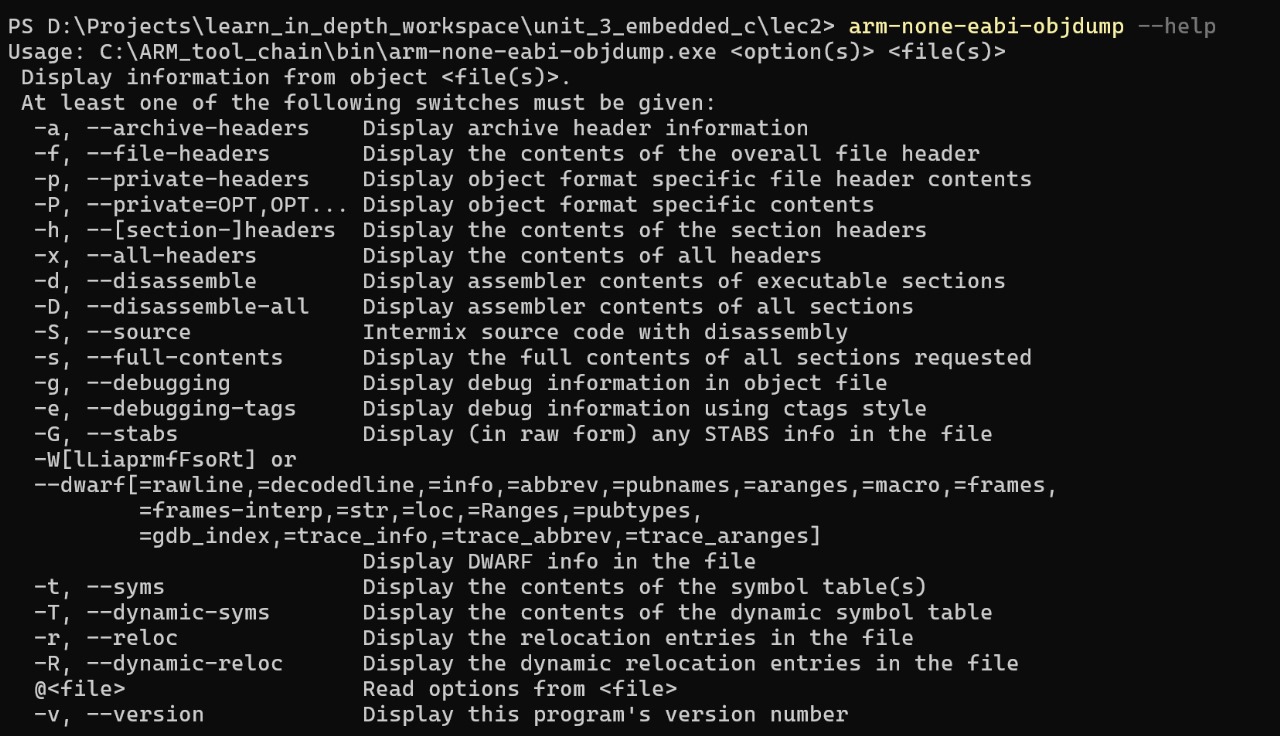


*Build .c to .o*

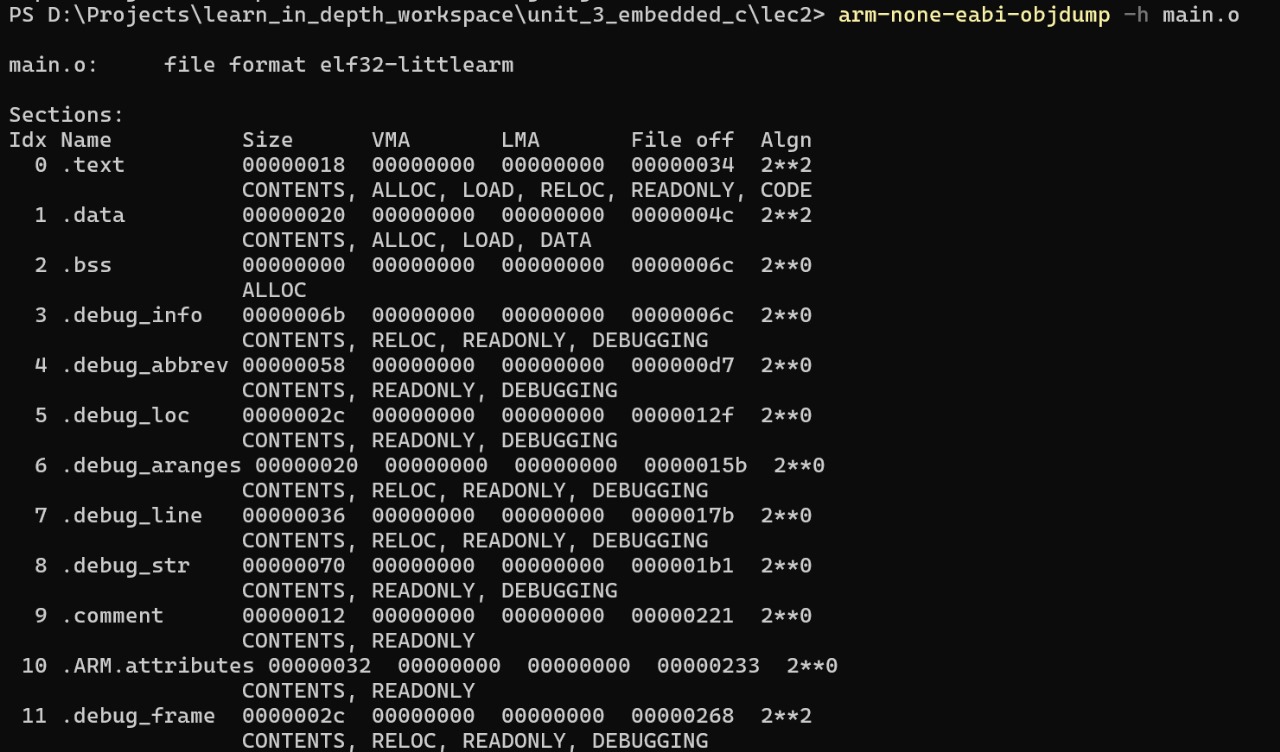




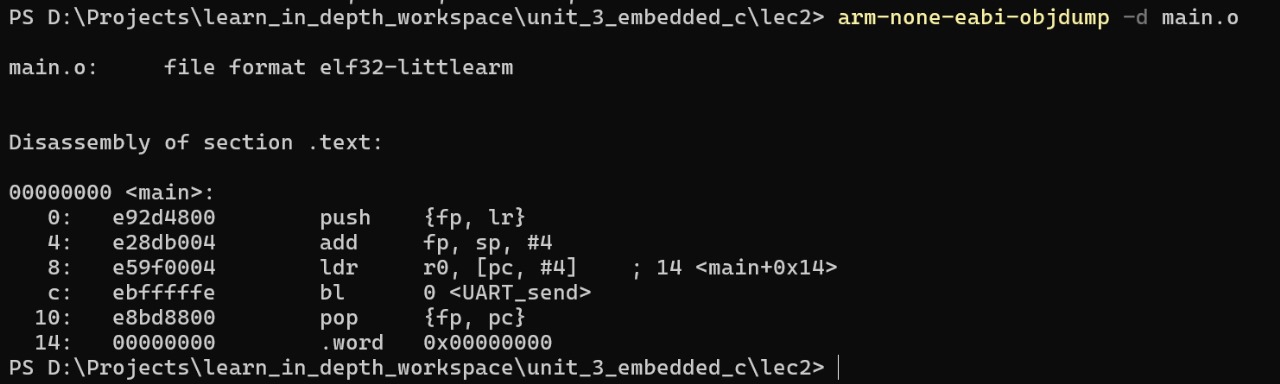
Objdump help

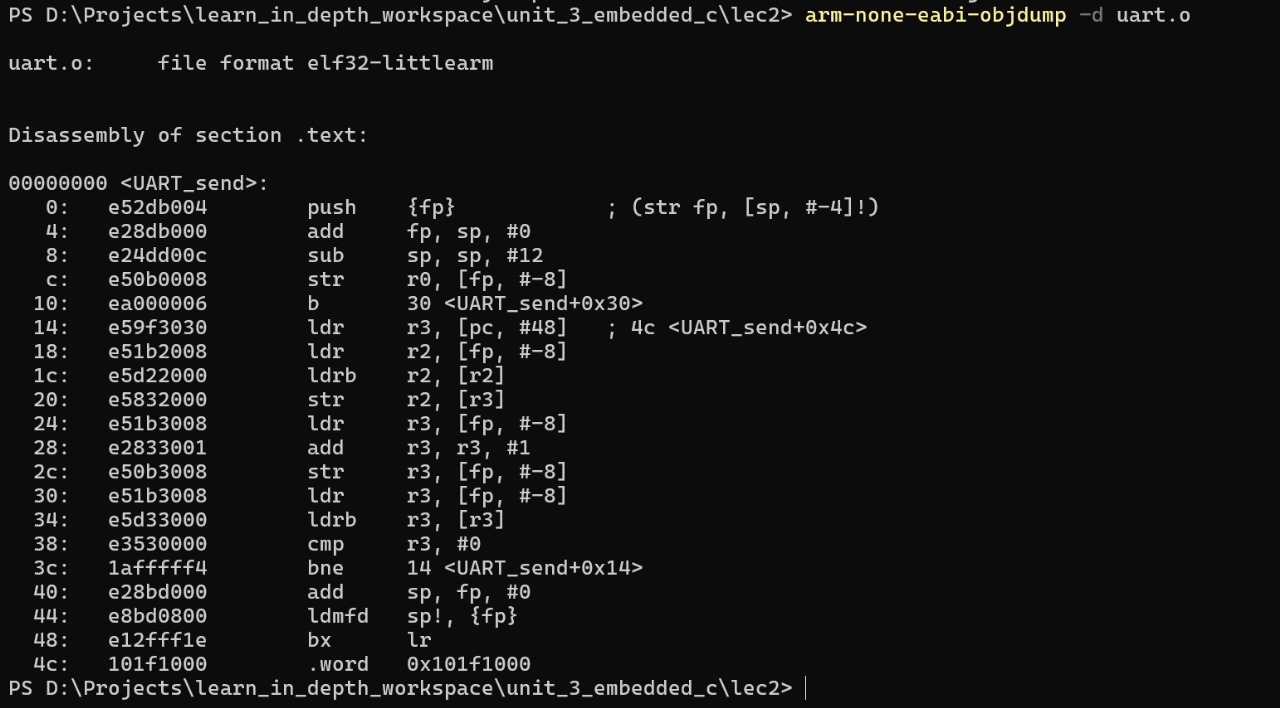


Objdump sections headers

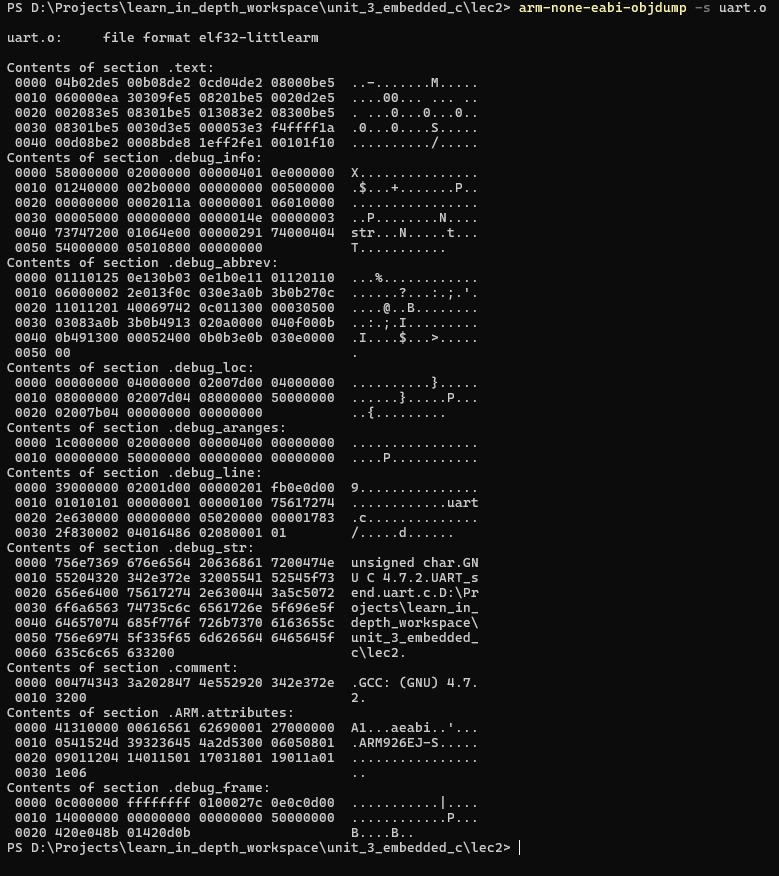


Objdump dissembler

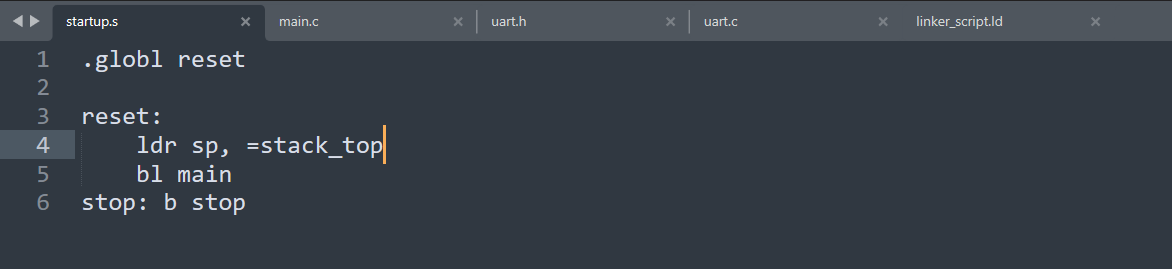




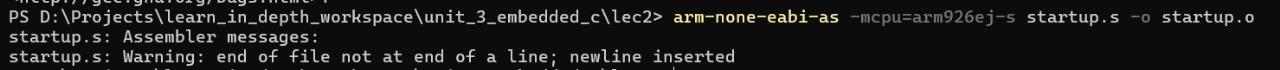
Objdump source



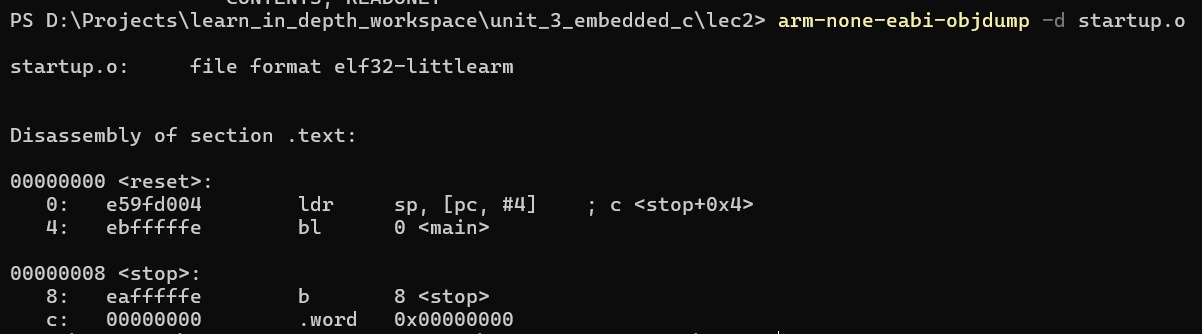
Startup.s file



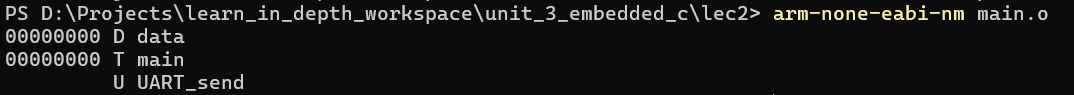
Assemlber startup.s



Objdump

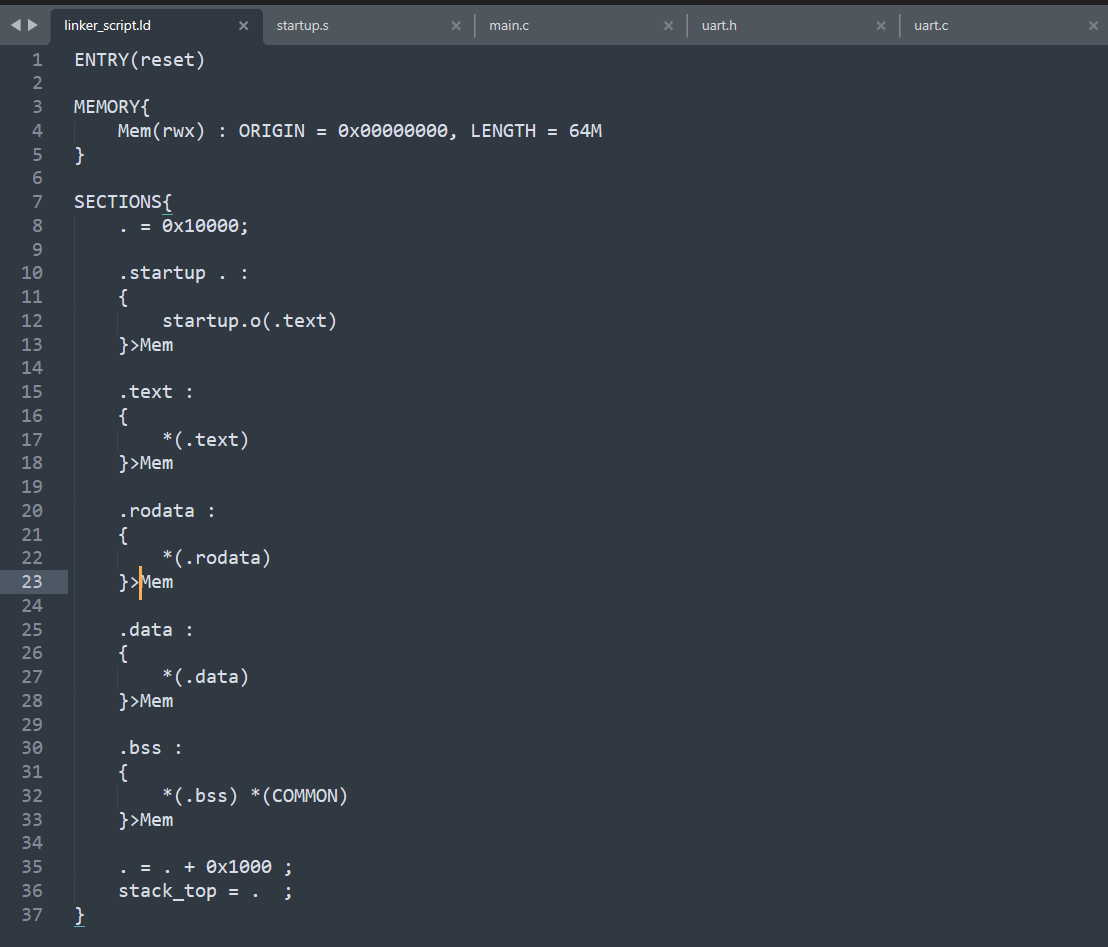


See symbols



C:\Users\asus\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\FFEABD223DE0D4EACB9A3E6E53E5448D\WhatsApp Image 2024-06-14 at 00.54.11_0c497407.jpg

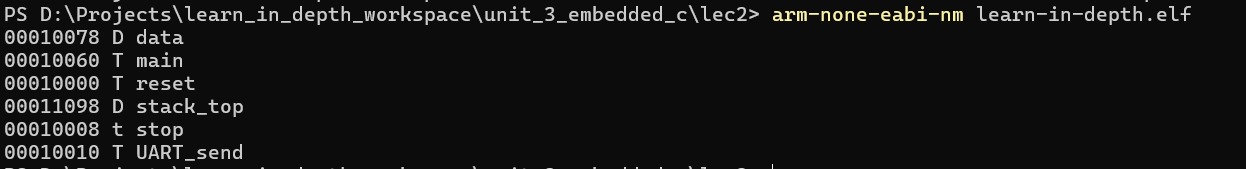
Linker script

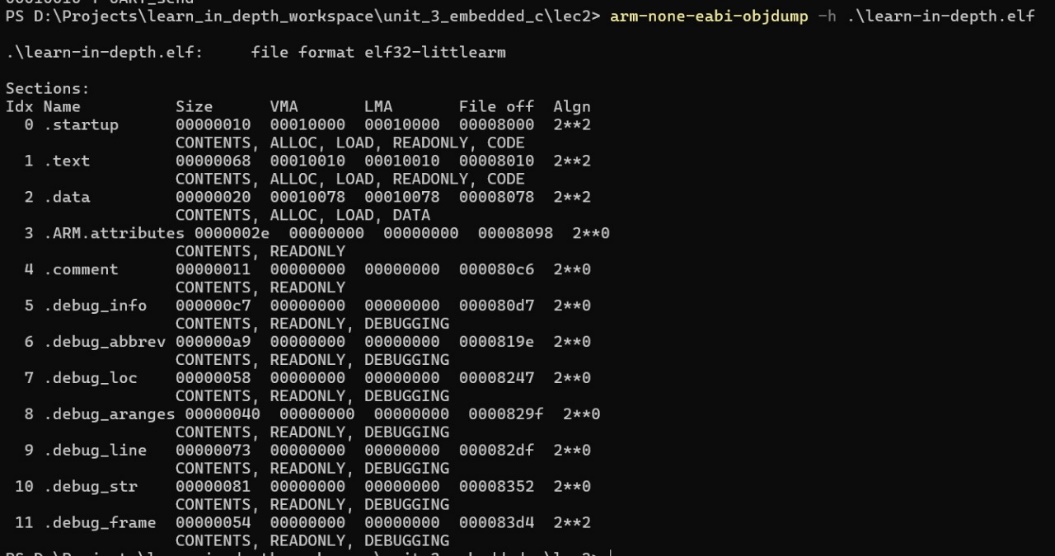


Linke object files

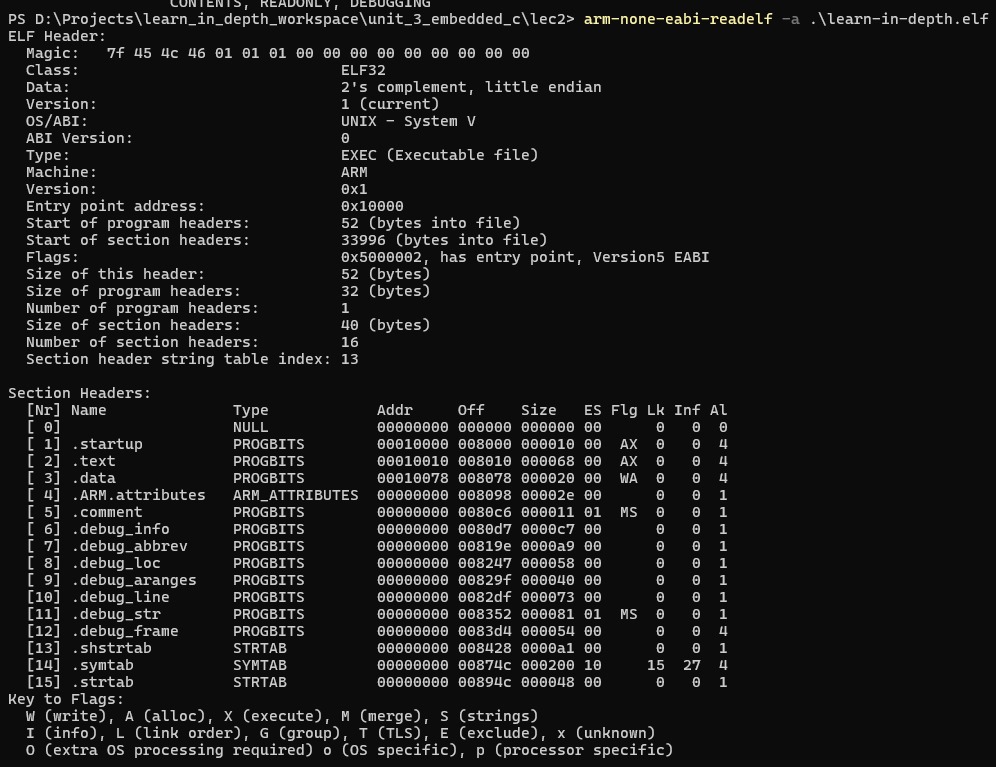
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Objdump





Read elf



Generate binary files

C:\Users\asus\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\F5DEAEEAE1538FB6C45901D524EE2F98\WhatsApp Image 2024-06-14 at 01.13.35_b485870f.jpg

Simulate the code

