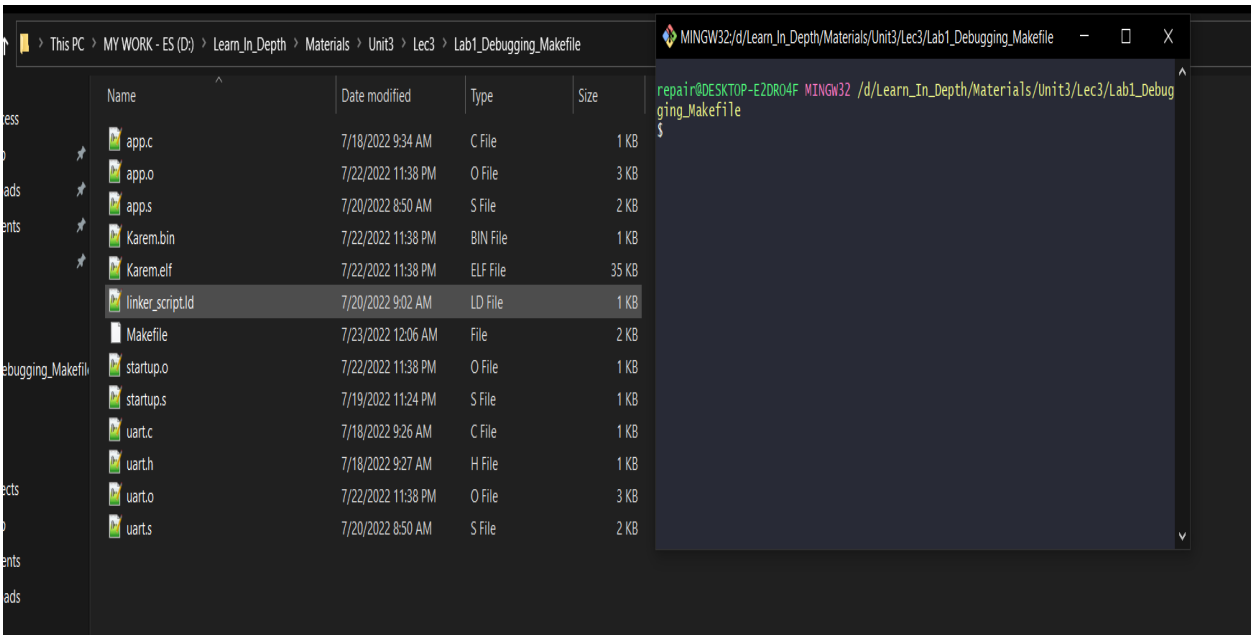
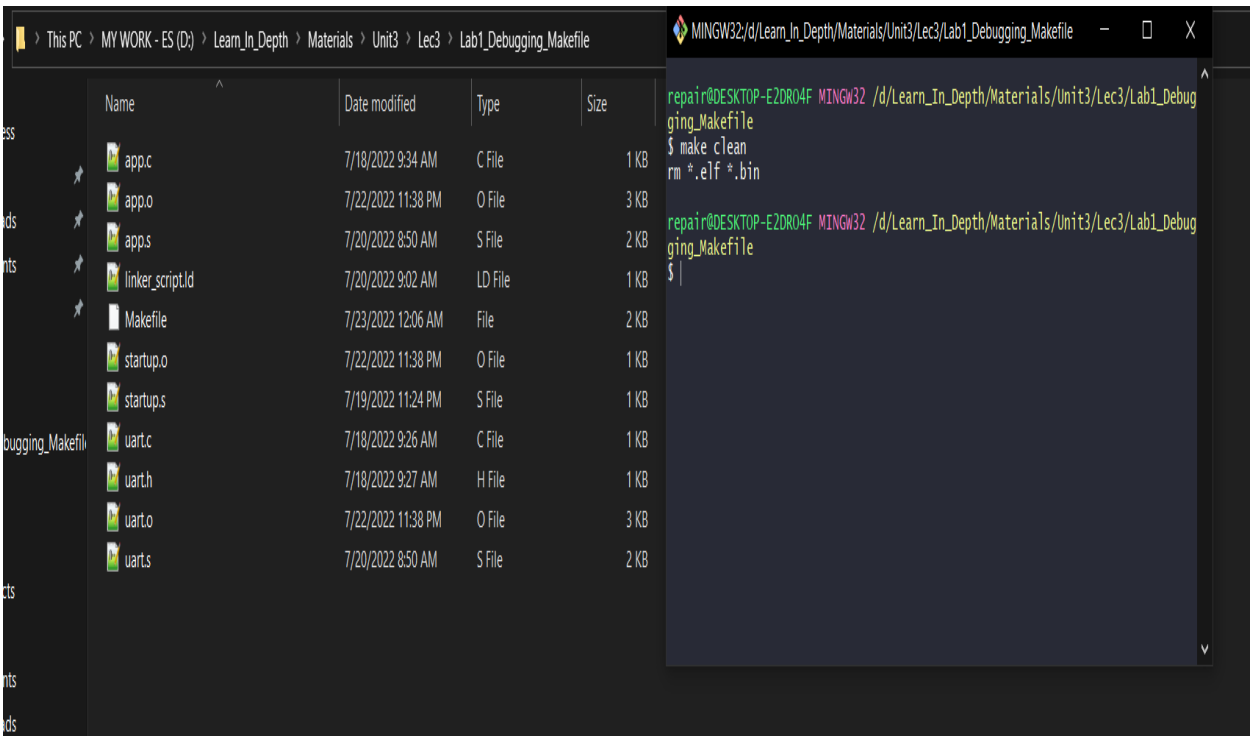
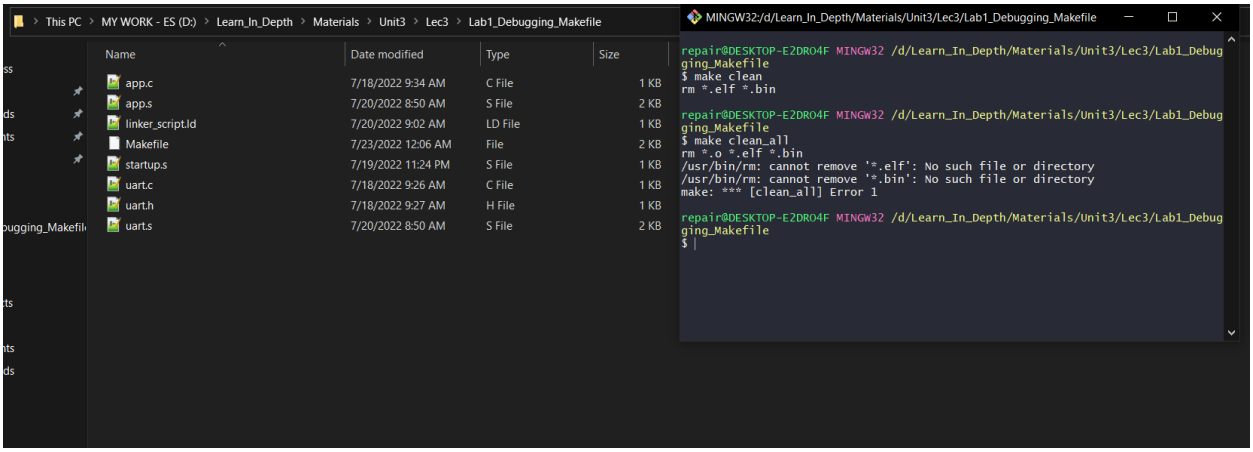
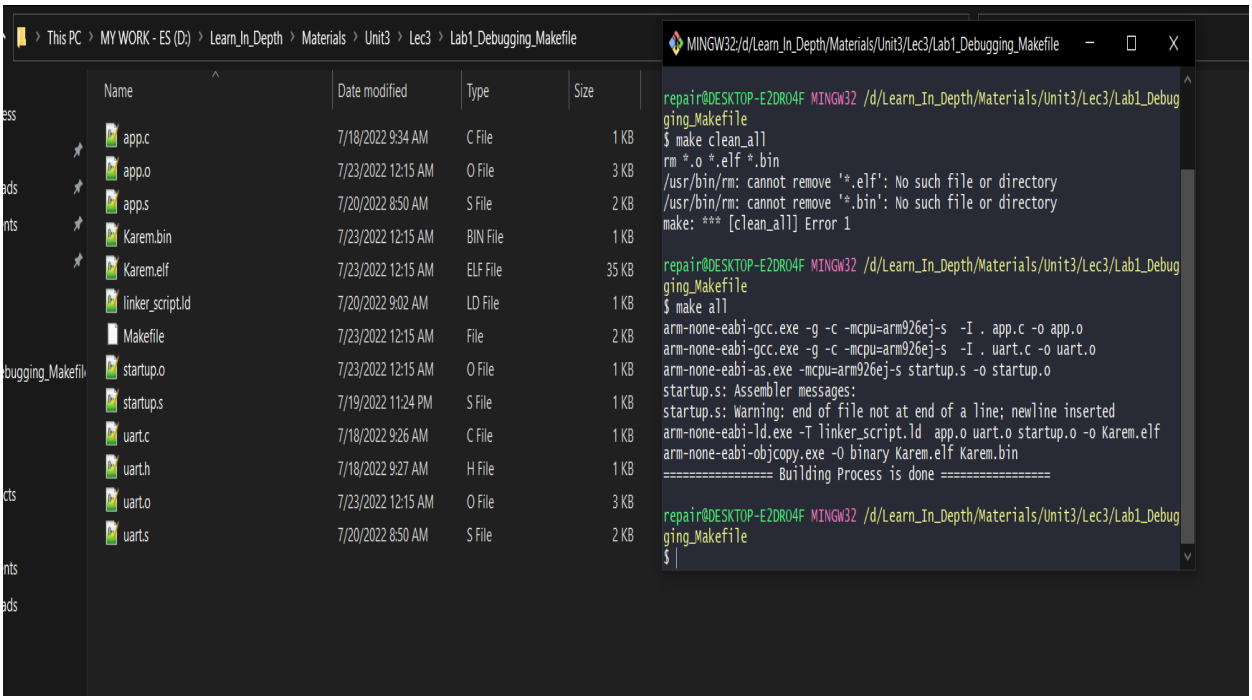
Makefile Lab1

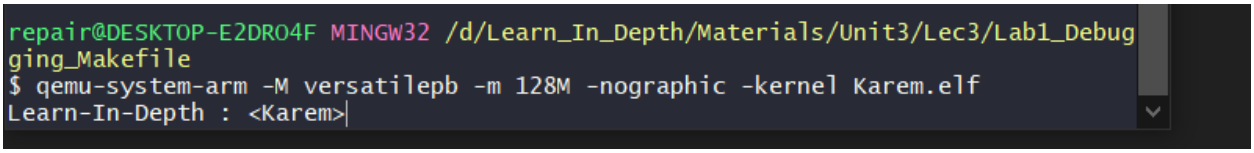





This PC › MY WORK - ES (D:) › Learn_In_Depth › Materials › Unit3 › Lec3 › Lab1_Debugging_Makefile
Name
Date modified
Type
Size
app.c 7/18/2022 9:34 AM C File 1 KB
app.s 7/20/2022 8:50 AM S File 2 KB
linker_script.ld 7/20/2022 9:02 AM LD File 1 KB
Makefile 7/23/2022 12:06 AM File 2 KB
startup.s 7/19/2022 11:24 PM S File 1 KB
uart.c 7/18/2022 9:26 AM C File 1 KB
uart.h 7/18/2022 9:27 AM H File 1 KB
uart.s 7/20/2022 8:50 AM S File 2 KB
MINGW32:/d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$ make clean
rm *.elf *.bin
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$ make clean_all
rm *.o *.elf *.bin
/usr/bin/rm: cannot remove '*.elf': No such file or directory
/usr/bin/rm: cannot remove '*.bin': No such file or directory
make: *** [clean_all] Error 1
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$


This PC › MY WORK - ES (D:) › Learn_In_Depth › Materials › Unit3 › Lec3 › Lab1_Debugging_Makefile
Name
Date modified
Type
Size
app.c 7/18/2022 9:34 AM C File 1 KB
app.o 7/23/2022 12:15 AM O File 3 KB
app.s 7/20/2022 8:50 AM S File 2 KB
Karem.bin 7/23/2022 12:15 AM BIN File 1 KB
Karem.elf 7/23/2022 12:15 AM ELF File 35 KB
linker_script.ld 7/20/2022 9:02 AM LD File 1 KB
Makefile 7/23/2022 12:15 AM File 2 KB
startup.o 7/23/2022 12:15 AM O File 1 KB
startup.s 7/19/2022 11:24 PM S File 1 KB
uart.c 7/18/2022 9:26 AM C File 1 KB
uart.h 7/18/2022 9:27 AM H File 1 KB
uart.o 7/23/2022 12:15 AM O File 3 KB
uart.s 7/20/2022 8:50 AM S File 2 KB
MINGW32:/d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$ make clean_all
rm *.o *.elf *.bin
/usr/bin/rm: cannot remove '*.elf': No such file or directory
/usr/bin/rm: cannot remove '*.bin': No such file or directory
make: *** [clean_all] Error 1
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$ make all
arm-none-eabi-gcc.exe -g -c -mcpu=arm926ej-s -I . app.c -o app.o
arm-none-eabi-gcc.exe -g -c -mcpu=arm926ej-s -I . uart.c -o uart.o
arm-none-eabi-as.exe -mcpu=arm926ej-s startup.s -o startup.o
startup.s: Assembler messages:
startup.s: Warning: end of file not at end of a line; newline inserted
arm-none-eabi-ld.exe -T linker_script.ld app.o uart.o startup.o -o Karem.elf
arm-none-eabi-objcopy.exe -O binary Karem.elf Karem.bin
================ Building Process is done ================
repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$

The output


repair@DESKTOP-E2DRO4F MINGW32 /d/Learn_In_Depth/Materials/Unit3/Lec3/Lab1_Debugging_Makefile
$ qemu-system-arm -M versatilepb -m 128M -nographic -kernel Karem.elf
Learn-In-Depth : <Karem>