

			lec2_lab1\output.map - Notepad++	-
			Language Settings Tools Macro Run	Plugins Window ? + ▼ X ▼ III III
	,		startup.s 🗵 🔡 linker_script.ld 🗵 🔡 o	
	1			
	2	Memory Confi	guration	
	3			I
	4	Name	Origin	Length
	5	Mem	0x00000000	0x04000000
	6	*default*	0x00000000	0xffffffff
	7	T 1	.	I
	8	Linker scrip	t and memory map	
l	10		0x00010000	$. = 0 \times 10000$
l	11		0200010000	·
l	12	.startup	0x00010000	0x10
Ш	13	startup.o(.	text)	
l	14	.text	0x00010000	0x10 startup.o
Ш	15		0x00010000	reset
l	16			
Ш	17	.text	0x00010010	0xcc
Ш	18	*(.text)		
Ш	19	.text	0x00010010	0x18 app.o
Ш	20 21	++	0x00010010 0x00010028	main 0x50 uart.o
l	22	.text	0x00010028	Uart send s
l	23	*(.rodata)	0X00010020	oarc_send_s
l	24	.rodata	0x00010078	0x64 app.o
l	25		0x00010078	string buff
l	26			3_
l	27	.glue_7	0x000100dc	0x0
	28	.glue_7	0x0000000	0x0 linker stubs
	N length : 2,5	557 lines : 81	Ln:1 Col:1 Pos:1	Windows (CR LF) UTF-8 INS

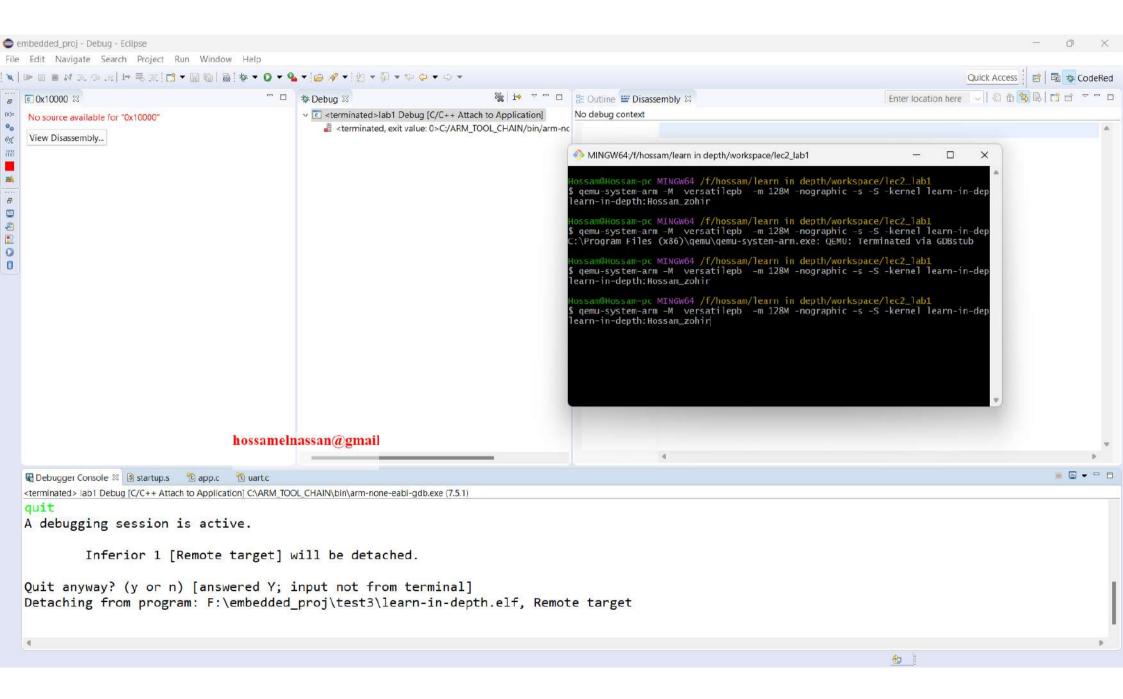
add

str

0x1005c <Uart_send_string+44>:

(gdb) c Continuing. set pc = 0x10000 r3, r3, #1

r3, [r11, #-8]



```
F:\hossam\learn in depth\workspace\lec2 lab1\makefile - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
                                                                                                                                                                      + V X
📄 uart.c 🔀 📄 uart.h 🔀 📑 app.c 🖂 📑 startup.s 🔀 🛗 linker script.ld 🔀 🚔 output.map 🔀 📑 startup.s 🖂 🗎 makefile 🔀
       # @Copyrights Hossam Zohir
                                                                                         MINGW64:/f/hossam/learn in depth/workspace/lec2_lab1
                                                                                                                                                                 ×
       CC=arm-none-eabi-
                                                                                        arm-none-eabi-ld.exe: cannot find startup.o
                                                                                        make: *** [learn-in-depth.elf] Error 1
       CFLAGS=-mcpu=arm926ej-s -q
                                                                                         ossan@Hossam-pc MINGW64 /f/hossam/learn in depth/workspace/lec2_lab1
       INCS=-I .
       LIBS=
                                                                                        rm -rf *.o *~
                                                                                         ---Clean all Done----
       SRC = $ (wildcard *.c)
                                                                                         Hossam@Hossam-pc MINGW64 /f/hossam/learn in depth/workspace/lec2_lab1
       OBJ = S(SRC:.c=.0)
                                                                                        arm-none-eabi-gcc.exe -mcpu=arm926ej-s -g -I . -c app.c -o app.o
       AS = $(wildcard *.s)
                                                                                        arm-none-eabi-gcc.exe -mcpu=arm926ej-s -g -I . -c uart.c -o uart.o
arm-none-eabi-ld.exe -T linker_script.ld app.o uart.o app.c uart.c -Map=map_file.map -o learn-in
       ASOBJ = $(AS:.s=.o)
  10
       Project name = learn-in-depth
                                                                                        arm-none-eabi-ld.exe: cannot find startup.o
                                                                                         make: *** []earn-in-depth.elf] Error 1
  12
                                                                                         ossam@Hossam-pc MINGW64 /f/hossam/learn in depth/workspace/lec2_lab1
       all:$(Project name).bin
  13
                                                                                        $ make clean
             @echo "====Build is Done===="
  14
                                                                                         ===Clean all Done====
  15
                                                                                         ossam@Hossam-pc MINGw64 /f/hossam/learn in depth/workspace/lec2_lab1
       8.0: 8.S
                                                                                        arm-none-eabi-gcc.exe -mcpu=arm926ej-s -g -I . -c app.c -o app.o
                                                                                        arm-none-eabi-gcc.exe -mcpu=arm926ej-s -g -I . -c uart.c -o uart.o
  17
             $(CC)as.exe $(CFLAGS) $< -o $@
                                                                                        arm-none-eabi-as.exe -mcpu=arm926ej-s -g startup.s -o startup.o
                                                                                        arm-none-eabi-ld.exe -T linker_script.ld app.o uart.o startup.o -Map=map_file.map -o learn-in-de
  18
                                                                                        arm-none-eabi-objcopy.exe -0 binary learn-in-depth.elf learn-in-depth.bin
  19
       8.0: 8.C
                                                                                         ===Build is Done====
  20
             $(CC)qcc.exe $(CFLAGS) $(INCS) -c $< -o $@
                                                                                          ossam@Hossam-pc MINGW64 /f/hossam/learn in depth/workspace/lec2_lab1
  21
       $(Project name).elf: $(OBJ) $(ASOBJ)
  23
             $(CC) ld.exe -T linker script.ld $(LIBS) $(OBJ) $(ASOBJ) -Map=map file.map -o $@
  24
       $(Project name).bin: $(Project name).elf
             $(CC) objcopy.exe -0 binary $< $@
  26
  27
       clean:
  28
             rm -rf *.0 *~
  29
```

Makefile | length: 644 | lines: 30 | Ln: 17 | Col: 26 | Pos: 308 | Windows (CR LF) | UTF-8 | IN