Ahmedalaalotfy

QEMU run the SW

Symbol table

Ahmedalaalotfy

Sections

Readelf for ahmed.elf and check entry point

Ahmedalaalotfy

Map file

```
ahmedi Documentsi Embeded systemsi Mastering Embedded Systemi Working_Diri Embedded_system_online_diplomai unita_Embedded_Ciunita_lesson 2\Lab_1\output.map - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
⑤ 한 음 월 23 열 중 | ※ 음 음 양 오 역 Q Q Q Q 입 전 등 및 등 및 등 상 없 을 & 모 호 하 8
         g 🖸 🖊 TMR_programs 🖸 TMR_configh 📵 DCM_programs 🖸 SERVOM_programs Q mains 📵 ATMEGA32_REGN Q SSD_programs Q DIO_programs 🖸 ADC_interface h Q linker, scriptid Q outputmap 🗍
        Memory Configuration
                                                                 Length
0x04000000
0xffffffff
                                   Origin
        Mem
*default*
                                                                          . = 0x10000
        13
14
15
16
17
18
19
20
21
22
24
25
27
28
29
31
32
33
        .text
*(.text)
.text
                                 0x0001000c
                                 0x0001000c
                                 0x0001000c
0x00010024
0x00010024
                                                             0x50 uart.o
Uart_send_string
                                 0x00010074
0x00000000
        .glue_7
.glue_7
                                                              0x0
0x0 linker stubs
        .glue_7t
.glue_7t
                                 0x00010074
0x00000000
                                                               0x0
0x0 linker stubs
        .vfp11_veneer
.vfp11_veneer
                                0x00010074
0x00000000
                                                               0x0
0x0 linker stubs
```

```
ded systems\Mastering Embedded System\Working_Dir\Embedded_system_online_diploma\unit3_Embedded_C\unit3_lesson2\Lab_1\output.map - Notepad++
       .v4_bx
.v4_bx
                              0x00010074
0x00000000
                                                         0x0
0x0 linker stubs
34
35
37
38
39
40
41
42
43
44
45
46
47
55
55
55
55
66
61
62
63
64
65
                              0x00010074
0x00000000
                                                         0x0
0x0 startup.o
       .rel.dyn
.rel.iplt
                              0×00010074
0×000000000
                                                         0x0
0x0 startup.o
       .data
*(.data)
.data
                              0x00010074
                                                         0x0 startup.o
                              0x00010074
0x00010074
                                                        0x64 app.o
string_buffer
        .data
                                                         0x0 uart.o
        .data
                              0x000100d8
       .igot.plt
.igot.plt
                              0x000100d8
0x00000000
                                                         0x0
0x0 startup.o
                              0x000100d8
0x000100d8
0x000100d8
                                                         0x0 startup.o
       .bss
.bss
*(COMMON)
                                                         0x0 app.o
0x0 uart.o
                              0x000110d8
0x000110d8
                                                                   . = (. + 0x1000)
stack_top = .
      LOAD app.o
LOAD uart.o
LOAD startup.o
OUTPUT(ahmed.elf elf32-littlearm)
       .ARM.attributes
0x00000000
```