

Lab2 Report

• Main.o sections

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	0000007c	00000000	00000000	00000034	2**2
		CONTENTS,	ALLOC, LOAD, RELOC,	READONLY,	CODE	
1	.data	00000007	00000000	00000000	000000b0	2**2
		CONTENTS,	ALLOC, LOAD, DATA			
2	.bss	00000000	00000000	00000000	000000b7	2**0
		ALLOC				
3	.rodata	00000003	00000000	00000000	000000b8	2**2
		CONTENTS,	ALLOC, LOAD, READONLY, DATA			
4	.debug_info	0000016c	00000000	00000000	000000bb	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
5	.debug_abbrev	000000f9	00000000	00000000	00000227	2**0
		CONTENTS,	READONLY, DEBUGGING			
6	.debug_loc	00000038	00000000	00000000	00000320	2**0
		CONTENTS,	READONLY, DEBUGGING			
7	.debug_aranges	00000020	00000000	00000000	00000358	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
8	.debug_line	00000056	00000000	00000000	00000378	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
9	.debug_str	000000fe	00000000	00000000	000003ce	2**0
		CONTENTS,	READONLY, DEBUGGING			
10	.comment	0000007c	00000000	00000000	000004cc	2**0
		CONTENTS,	READONLY			
11	.debug_frame	0000002c	00000000	00000000	00000548	2**2
		CONTENTS,	RELOC, READONLY, DEBUGGING			
12	.ARM.attributes	00000033	00000000	00000000	00000574	2**0
		CONTENTS,	READONLY			

• Learn-in-depth-cortex-m3.elf

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	0000007c	00000000	00000000	00000034	2**2
		CONTENTS,	ALLOC, LOAD, RELOC,	READONLY,	CODE	
1	.data	00000007	00000000	00000000	000000b0	2**2
		CONTENTS,	ALLOC, LOAD, DATA			
2	.bss	00000000	00000000	00000000	000000b7	2**0
		ALLOC				
3	.rodata	00000003	00000000	00000000	000000b8	2**2
		CONTENTS,	ALLOC, LOAD, READONLY, DATA			
4	.debug_info	0000016c	00000000	00000000	000000bb	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
5	.debug_abbrev	000000f9	00000000	00000000	00000227	2**0
		CONTENTS,	READONLY, DEBUGGING			
6	.debug_loc	00000038	00000000	00000000	00000320	2**0
		CONTENTS,	READONLY, DEBUGGING			
7	.debug_aranges	00000020	00000000	00000000	00000358	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
8	.debug_line	00000056	00000000	00000000	00000378	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
9	.debug_str	000000fe	00000000	00000000	000003ce	2**0
		CONTENTS,	READONLY, DEBUGGING			
10	.comment	0000007c	00000000	00000000	000004cc	2**0
		CONTENTS,	READONLY			
11	.debug_frame	0000002c	00000000	00000000	00000548	2**2
		CONTENTS,	RELOC, READONLY, DEBUGGING			
12	.ARM.attributes	00000033	00000000	00000000	00000574	2**0
		CONTENTS,	READONLY			

- **Main.o Symbols**

```
$ arm-none-eabi-nm.exe main.o
00000003 C bss_var
00000000 R const_variables
00000004 D g_variables
00000000 T main
00000000 D R_ODR
```

- **Learn-in-depth-cortex-m3.elf Symbols**

```
$ arm-none-eabi-nm.exe learn_in_depth_cortex_m3.elf
20000008 B _E_bss
20000008 D _E_DATA
0800012b T _E_text
20000008 B _S_bss
20000000 D _S_DATA
20001008 B _stack_top
20001008 B bss_var
08000098 W Bus_Fault
08000128 T const_variables
08000098 T Default_Handler
20000004 D g_variables
08000098 W Hard_Fault_Handler
0800001c T main
08000098 W MM_Fault_Handler
08000098 W NMI_Handler
20000000 D R_ODR
080000a4 T Reset_Handler
08000098 W Usage_Fault_Handler
08000000 T vectors
```