Lab3 Report

- **Main.o Sections**

```
Idx Name          Size      VMA       LMA       File off  Algn
  0 .text         0000008c  00000000  00000000  00000034  2**2
                  CONTENTS, ALLOC, LOAD, READONLY, CODE
  1 .data         00000000  00000000  00000000  000000c0  2**0
                  CONTENTS, ALLOC, LOAD, DATA
  2 .bss          00000000  00000000  00000000  000000c0  2**0
                  ALLOC
  3 .debug_info   00000065  00000000  00000000  000000c0  2**0
                  CONTENTS, RELOC, READONLY, DEBUGGING
  4 .debug_abbrev 0000005a  00000000  00000000  00000125  2**0
                  CONTENTS, READONLY, DEBUGGING
  5 .debug_loc    00000038  00000000  00000000  0000017f  2**0
                  CONTENTS, READONLY, DEBUGGING
  6 .debug_aranges 00000020 00000000  00000000  000001b7  2**0
                  CONTENTS, RELOC, READONLY, DEBUGGING
  7 .debug_line   00000063  00000000  00000000  000001d7  2**0
                  CONTENTS, RELOC, READONLY, DEBUGGING
  8 .debug_str    000000af  00000000  00000000  0000023a  2**0
                  CONTENTS, READONLY, DEBUGGING
  9 .comment      0000007c  00000000  00000000  000002e9  2**0
                  CONTENTS, READONLY
 10 .debug_frame  0000002c  00000000  00000000  00000368  2**2
                  CONTENTS, RELOC, READONLY, DEBUGGING
 11 .ARM.attributes 00000033 00000000 00000000  00000394  2**0
                  CONTENTS, READONLY
```

- **lab3_cortex_m4.elf sections**

```
Idx Name          Size      VMA       LMA       File off  Algn
  0 .text         0000012c  00000000  00000000  00010000  2**2
                  CONTENTS, ALLOC, LOAD, READONLY, CODE
  1 .data         00000000  20000000  0000012c  00020000  2**0
                  CONTENTS, ALLOC, LOAD, DATA
  2 .bss          00000400  20000000  0000012c  00020000  2**2
                  ALLOC
  3 .debug_info   0000020a  00000000  00000000  00020000  2**0
                  CONTENTS, READONLY, DEBUGGING
  4 .debug_abbrev 00000136  00000000  00000000  0002020a  2**0
                  CONTENTS, READONLY, DEBUGGING
  5 .debug_loc    000000b4  00000000  00000000  00020340  2**0
                  CONTENTS, READONLY, DEBUGGING
  6 .debug_aranges 00000040 00000000  00000000  000203f4  2**0
                  CONTENTS, READONLY, DEBUGGING
  7 .debug_line   000000cc  00000000  00000000  00020434  2**0
                  CONTENTS, READONLY, DEBUGGING
  8 .debug_str    00000173  00000000  00000000  00020500  2**0
                  CONTENTS, READONLY, DEBUGGING
  9 .comment      0000007b  00000000  00000000  00020673  2**0
                  CONTENTS, READONLY
 10 .ARM.attributes 00000033 00000000 00000000  000206ee  2**0
                  CONTENTS, READONLY
 11 .debug_frame  0000007c  00000000  00000000  00020724  2**2
                  CONTENTS, READONLY, DEBUGGING
```

- **lab3_cortex_m4.elf Symbols**

```
$ arm-none-eabi-nm.exe lab3_cortex_m4.elf
20000400 B _E_bss
20000000 D _E_DATA
0000012c T _E_text
20000000 B _S_bss
20000000 D _S_DATA
0000009c T Defalut_Handler
00000000 T g_p_fn_vectors
0000009c W Hard_Fault_Handler
00000010 T main
0000009c W NMI_Handler
000000a8 T Reset_Handler
20000000 b Stack_top
```