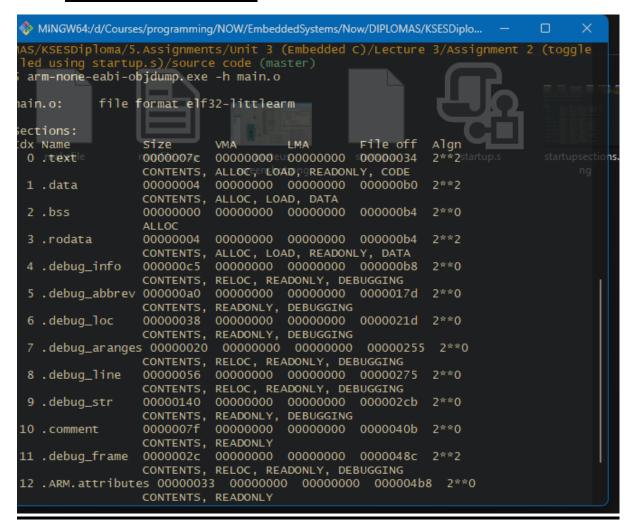
• Main.o sections



Startup.o sections

```
MINGW64:/d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLOMAS/KSESDiplo...
bdul@Administrator_MINGW64 /d/Courses/programming/NOW/Embeddedsystems/Now/DIPLO
AS/KSESDiploma/5,Assignments/Unito;3us(EmbeddedsC)/Upecture 3/Assignment 2 (toggele
led using startup.s)/source code (master)
 arm-none-eabi-objdump.exe -h startup.o
tartup.o:
                 file format elf32-littlearm
ections:
                                                                         Algn
                     size
                                                            File off
dx Name
                                  VMA
                     80000000
                                  00000000
                                              00000000
                                                            00000034
                                                            READONLY,
                                  ALLOC, LOAD, RELOC,
                                                                        CODE
 1 .data
                     00000000 00000000 00000000
                                                           0000003c
                                  ALLOC, LOAD, DATA 00000000 00000000
                     00000000
                                                                        2**0
 2 .bss
                                                           0000003c
                     ALLOC
                                              00000000
                                                           0000003c
 3 .vectors
                     00000050
                                  00000000
                     CONTENTS, RELOC, READONLY
4 .debug_line
                     0000003b 00000000 00000000 0000008c
                                                                         2**0
                     CONTENTS, RELOC, READONLY, DEBUGGING 00000026 00000000 00000000 0000000c7
 5 .debug_info
                     CONTENTS, RELOC, READONLY, DEBUGGING
 6 .debug_abbrev 00000014 00000000 00000000
CONTENTS, READONLY, DEBUGGING
                                                                         2**0
 7 .debug_aranges 00000020 00000000 00000000
                                                             00000108 2**3
                     CONTENTS, RELOC, READONLY, DEBUGGING 000000bf 00000000 00000000 00000128 2**0
 8 .debug_str
                     CONTENTS, READONLY, DEBUGGING
   .ARM.attributes 00000021 00000000 00000000 000001e7 2**0
                     CONTENTS, READONLY
```

application.elf sections

```
MINGW64:/d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLOMAS/KSESDiplo...
abdul@Administrator MINGw64 /d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLO
MAS/KSESDiploma/5.Assignments/Unit 3 (Embedded C)/Lecture 3/Assignment 2 (toggle
led using startup.s)/source code (master)
$ arm-none-eabi-objdump.exe -h toggleLed.elf
toggleLed.elf:
                     file format elf32-littlearm
Sections:
                                                       F∜lesoff
Idx Name
                    Size
                                VMA ma
                                           niawa.
                    CONTENTS, ALLOC, LOAD, READONLY, CODE
  1 .data
                    00000004
                               080000d8 080000d8 000100d8 2**2
                    CONTENTS, ALLOC, LOAD, DATA
  2 .bss
                               20000000 20000000
                                                       00020000 2**2
                    000000eb 00000000 00000000 000100dc 2**0
  3 .debug_info
                    CONTENTS, READONLY, DEBUGGING
  4 .debug_abbrev 000000b4 00000000 00000000 000101c7 2**0
                    00000038 00000000 00000000 0001027b 2**0
  5 .debug_loc
  CONTENTS, READONLY, DEBUGGING
6 .debug_aranges 00000040 00000000 00000000 000102b8 2**3
                    CONTENTS, READONLY, DEBUGGING
  7 .debug_line
                                          00000000 000102f8 2**0
                    CONTENTS, READONLY, DEBUGGING
  8 .debug_str
                    00000154 00000000 00000000 00010389 2**0
                    CONTENTS, READONLY, DEBUGGING
0000007e 00000000 00000000 000104dd 2**0
  9 .comment
                    CONTENTS, READONLY
 10 .ARM.attributes 00000031 00000000 00000000 0001055b 2**0
                    CONTENTS, READONLY
0000002c 00000000 00000000
CONTENTS, READONLY, DEBUGGING
                                           00000000 0001058c 2**2
 11 .debug_frame
```

Symbols

```
MINGW64:/d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLOMAS/KSESDiplo...
                               CONTENTS, READONLY, DEBUGGING
 abdul@Administrator MINGw64 /d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLO
MAS/KSESDiploma/5.Assignments/Unit 3 (Embedded C)/Lecture 3/Assignment 2 (toggle
led using startup. Proteus startup.
$ arm-none-eabi-nm.exe main.o
00000004 c bss
00000000 D data
00000000 T main
00000000 R rodata
 abdul@Administrator MINGW64 /d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLO
MAS/KSESDiploma/5.Assignments/Unit 3 (Embedded C)/Lecture 3/Assignment 2 (toggle
led using startup.s)/source code (master)
$ arm-none-eabi-nm.exe startup.o
              U main
000000000 t reset
00000006 t vector_handler
 abdul@Administrator MINGw64 /d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLO
MAS/KSESDiploma/5.Assignments/Unit 3 (Embedded C)/Lecture 3/Assignment 2 (toggle
led using startup.s)/source_code (master)
$ arm-none-eabi-nm.exe toggleLed.elf
20000000 B bss
080000d8 D data
08000050 T main
080000cc t reset
080000d4 T rodata
080000d2 t vector_handler
 abdul@Administrator MINGW64 /d/Courses/programming/NOW/EmbeddedSystems/Now/DIPLO
MAS/KSESDiploma/5.Assignments/Unit 3 (Embedded C)/Lecture 3/Assignment 2 (toggle
led using startup.s)/source code (master)
```

• Simulation

