

Assignment Lesson 3

Part 1 : with startup(.s)

Symbols for App.o:

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part1(startup.s)
$ arm-none-eabi-nm.exe App.o
00000003 C bss_var
00000000 R const_var
00000004 D g_var
00000000 T main
00000000 D R_ODR
```

Symbols for startup.o:

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part1(startup.s)
$ arm-none-eabi-nm.exe startup.o
00000000 t _reset
          U main
00000006 t Vector_handler
```

Symbols for App_cortex_m3.elf:

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part1(startup.s)
$ arm-none-eabi-nm.exe App_cortex_m3.elf
080000c4 t _reset
20000008 B bss_var
080000cc T const_var
20000004 D g_var
0800001c T main
20000000 D R_ODR
080000ca t Vector_handler
```

Part 2 : with startup(.c)

Symbols for App.o

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part2(startup.c)
$ arm-none-eabi-nm.exe App.o
00000003 C bss_var
0000000c T Bus_Fault_handler
00000000 R const_var
00000004 D g_var
00000018 T main
00000000 T NMI_Handler
00000000 D R_ODR
```

Symbols for startup.o

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part2(startup.c)
$ arm-none-eabi-nm.exe startup.o
                 U _E_bss
                 U _E_data
                 U _E_text
                 U _S_bss
                 U _S_data
                 U _stack_top
00000000 W Bus_Fault_handler
00000000 T Default_Handler
00000000 W H_Fault_handler
                 U main
00000000 W MM_Fault_handler
00000000 W NMI_Handler
0000000c T Reset_handler
00000000 W Usage_Fault_handler
00000000 D vectors
```

Symbols for App_cortex_m3.elf:

```
Bolis@Bolis MINGW64 /e/Doc/Embedded System Diploma/3-Embedded C/Lesson 3/Assignment/Part2(startup.c)
$ arm-none-eabi-nm.exe App_cortex_m3.elf
2000000c B _E_bss
20000008 D _E_data
0800019c T _E_text
20000008 B _S_bss
20000000 D _S_data
2000100c B _stack_top
20000008 B bss_var
08000028 T Bus_Fault_handler
08000198 T const_var
080000dc T Default_Handler
20000004 D g_var
080000dc W H_Fault_handler
08000034 T main
080000dc W MM_Fault_handler
0800001c T NMI_Handler
20000000 D R_ODR
080000e8 T Reset_handler
080000dc W Usage_Fault_handler
08000000 T vectors
```