### **Embedded C lesson2 Report**

### app.o sections

Idx	Name	Size	VMA		File off	Algn
0	.text	00000018	00000000	00000000	00000034	2**2
		CONTENTS,	ALLOC, LOA	AD, RELOC,	READONLY,	CODE
1	.data	00000064	00000000	00000000	0000004c	2**2
		CONTENTS,	ALLOC, LOA	AD, DATA		
2	.bss	0000000	00000000	00000000	000000b0	2**0
		ALLOC				
3	.comment	00000012	00000000	00000000	000000b0	2**0
		CONTENTS,	READONLY			
4	.ARM.attribute	es 00000032	2 00000000	00000000	) 000000c2	2 2**0
CONTENTS, READONLY						

#### uart.o sections

Idx	Name	Size	VMA	LMA	File off	Algn
	.text	00000050	00000000	00000000	00000034	2**2
		CONTENTS,	ALLOC, LOA	AD, READONL	Y, CODE	
1	.data	00000000	00000000	00000000	0000084	2**0
		CONTENTS.	ALLOC, LOA	AD, DATA		
2	.bss	00000000	00000Ó00	0000000	00000084	2**0
		ALLOC				
3	.comment	00000012	00000000	00000000	00000084	2**0
		CONTENTS,	READONLY			
4	.ARM.attribute		2 00000000	00000000	00000096	5 2**0

CONTENTS, READONLY

### Full contents of app.o

## • Startup.o sections

Sections:					
Idx Name	Size	VMA	LMA	File off	Algn
0 .text	000000c	00000000	00000000	00000034	2**2
	CONTENTS,	ALLOC, LO	AD, RELOC,	READONLY,	CODE
1 .data	00000000	00000000	00000000	00000040	2**0
	CONTENTS,	ALLOC, LO	AD, DATA		
2 .bss	00000000	00000000	00000000	00000040	2**0
	ALLOC				
3 .ARM.attri	butes 0000002	2 0000000	0 0000000	00000040	2**0
	CONTENTS,	READONLY			

# • Symbols of app.o

00000000 T main 00000000 D String\_Buffer U Uart\_Send\_String

## • Symbols of uart.o

00000000 T Uart\_Send\_String

## • Symbols of .elf file

```
00010010 T main
00010000 T reset
000110dc D stack_top
00010008 t stop
00010078 D String_Buffer
00010028 T Uart_Send_String
```

#### • Sections of .elf file

Idx	Name	Size	VMA	LMA	File off	Algn
0	.startup			00010000		2**2
_				AD, READONI		
1	.text	00000068		00010010		2**2
2	.data			AD, READONI		2**2
2	.uata		ALLOC, LOA	00010078	00008078	Z**Z
3	.ARM.attribute				000080dd	2**0
		CONTENTS,				
4	.comment	00000011	00000000	00000000	0000810a	2**0
		CONTENTS,	READONLY			