



Document History

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GENESIS Learning Report – Embedded C – Hardware + Programming + Testing



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1 Make Execution in GIT

```
C:\Users\saipk\Desktop\doc\99083189>make
make: Nothing to be done for 'all'.

C:\Users\saipk\Desktop\doc\99083189>make
make: Nothing to be done for 'all'.

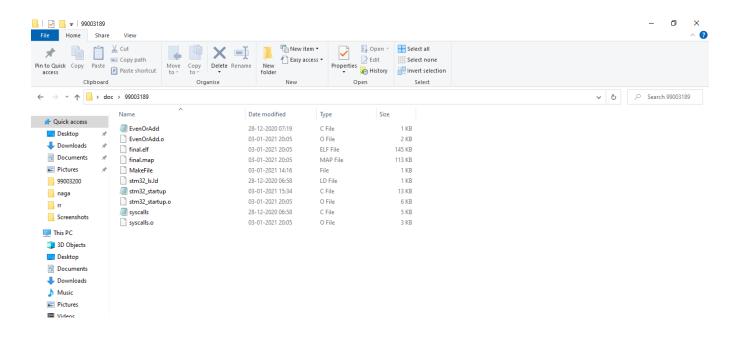
C:\Users\saipk\Desktop\doc\99083189>rm *.o

C:\Users\saipk\Desktop\doc\99083189>make
make: Nothing to be done for 'all'.

C:\Users\saipk\Desktop\doc\99083189>make
arm-none-eabl:gcc - c. mcpu-cortex.m4 -mthumb -mfloat-abi-soft -std-gnu11 -Wall -00 -o EvenOrAdd.o EvenOrAdd.c
arm-none-eabl:gcc - c. mcpu-cortex.m4 -mthumb -mfloat-abi-soft -std-gnu11 -Wall -00 -o stm32_startup.o stm32_startup.c
arm-none-eabl:gcc - c. mcpu-cortex-m4 -mthumb -mfloat-abi-soft -std-gnu11 -Wall -00 -o stm32_startup.o stm32_startup.c
arm-none-eabl:gcc - mcpu-cortex-m4 -mthumb -mfloat-abi-soft --specs=nano.specs -T stm32_ls.ld -Wl,-Map=final.map -o final.elf EvenOrAdd.o stm32_startup.o syscalls.o

C:\Users\saipk\Desktop\doc\99083189>
```

1.1 Files after execution of Make





1.2 Header section of main.o

```
saipk@DESKTOP-75K4IJR MINGW64 ~/Desktop/doc/99003189 (master)
$ arm-none-eabi-objdump.exe -h stm32_startup.o
stm32_startup.o:
                    file format elf32-littlearm
Sections:
Idx Name
                 Size
                           VMA
                                     LMA
                                               File off Algn
 0 .text
                 00000090 00000000 00000000 00000034 2**2
                 CONTENTS, ALLOC, LOAD, RELOC, READONLY, CODE
 1 .data
                 00000000 00000000 00000000 000000c4 2**0
                 CONTENTS, ALLOC, LOAD, DATA
 2 .bss
                 00000000 00000000 00000000 000000c4
                 ALLOC
                 00000188 00000000 00000000 000000c4
 3 .isr_vector
                 CONTENTS, ALLOC, LOAD, RELOC, DATA
                 0000004e 00000000 00000000 0000024c 2**0
 4 .comment
                 CONTENTS, READONLY
 5 .ARM.attributes 0000002e 00000000 00000000 0000029a 2**0
                 CONTENTS, READONLY
saipk@DESKTOP-75K4IJR MINGW64 ~/Desktop/doc/99003189 (master)
```



2 Mini project

2.1 Main logic function

2.2 GIT link:

https://github.com/99003189/EmbeddedC