Report about lab1

lab1: create a BareMetal software to send

"learn-in-depth: <Khaled_Farg>" using UART.

1-Sections of app.o:

2-Sections of uart.o:

3-Sections of startup.o:

4-Sections of learn-in-depth.elf:

5-Symbols of app.o

```
Dell@DESKTOP-MIAQOV4 MINGW64 /d/Courses/Embedded KEROLES/TERM_1/2-Embedded C_Uni
t 3/unit 3_laps/lap_1/lap1-1
$ arm-none-eabi-nm.exe app.0
00000000 T main
00000000 D string_buffer
00000000 R string_buffer2
U Uart_Send_String
```

6-Symbols of uart.o

```
Dell@DESKTOP-MIAQOV4 MINGW64 /d/Courses/Embedded KEROLES/TERM_1/2-Embedded C_Unit 3/unit 3_laps/lap_1/lap1-1
$ arm-none-eabi-nm.exe uart.o
00000000 T Uart_Send_String
```

7-Symbols of startup.o:

```
Dell@DESKTOP-MIAQOV4 MINGW64 /d/Courses/Embedded KEROLES/TERM_1/2-Embedded C_Unit 3/unit 3_laps/lap_1/lap1-1 $ arm-none-eabi-nm.exe startup.o U main 00000000 T reset U stack_top 00000008 t stop
```

8-Symbols of learn-in-depth.elf:

```
Dell@DESKTOP-MIAQOV4 MINGW64 /d/Courses/Embedded KEROLES/TERM_1/2-Embedded C_Unit 3/unit 3_laps/lap_1/lap1-1 $ arm-none-eabi-nm.exe learn_in_depth.elf  
00010010 T main  
00010000 T reset  
00020148 D stack_top  
00010008 t stop  
00010008 t Stop  
00010008 R string_buffer  
00010080 T Uart_Send_String
```

9-Simulation of code on qemsu:

Dell@DESKTOP-MIAQOV4 MINGW64 /<mark>d/Courses/Embedded KEROLES/TERM_1/2-Embedded C_Unit 3/unit 3_laps/lap_1/lap1-1</mark> \$ qemu-system-arm.exe -M versatilepb -m 128M -nographic -kernel learn_in_depth.bin learn-in-deapth: <Khaled_Farg>