Lab6 report

Github URL of your project repository for your team: https://github.com/stanthemaker/
EmbeddedSystem/tree/main/hw6

Personal report with some discussions and experiences sharing:

```
++ MbedOS Error Info ++
Error Status: 0x80010133 Code: 307 Module: 1
Error Message: Mutex: 0x200002B8, Not allowed in ISR context
Location: 0x800BBC1
Error Value: 0x200002B8
Current Thread: rtx_idle Id: 0x20000444 Entry: 0x8009841 StackSize: 0x380 StackMem: 0x10001870 SP: 0x20017ED8
For more info, visit: https://mbed.com/s/error?error=0x80010133&tgt=DISCO_L475VG_IOT01A
-- MbedOS Error Info --

= System will be rebooted due to a fatal error =
= Reboot count(=10) reached maximum, system will halt after rebooting =
```

In lab6-2, I encountered this bug. The error was not explicitly shown in the Mbed OS. However, after visiting the troubleshooting website, I came to realize that it was because I use printf functions in the ISR handler functions, which is forbidden.
Also, through this lab, I get to realize the relation between system clock, pre-scaler, customized timer frequency, data sampling rate, etc. It was a good training.