TIMER and PWM

Introduction:

This laboratory will require you to configure Timer to generate software events and PWM waveform. You are required to keep laboratory **logbook**. It is for keeping notes, results, analysis other work. This includes a laboratory **worksheet** that should be completed as a part of the logbook. You may also wish to include screen capture of programs and results to clarify your results. Work through the activities at your own pace, recording what you do in your logbook and referring to the worksheet, completing the tasks.

Aim:

Learn to configuring TIM1 and TIM6 to generate software event and PWM waveform, respectively.

Equipment and sundries:

Hardware:

1- STM32L476VG-DISCO
2- Cable Type A to Mini Type B
3- Logic Analyzer

Software:

1- STM32CubeIDE
2- PulseView

Logbook Entries:

1- Briefly explain the TIM1 in stm32l476VG MCU. (Max 200 words).
2- Document the to do tasks.
3- Summaries your work and reflect your learning.