The Programing Phase Documentation.

Using only the UART Cable we can power and program the Blue Pill.

We need two software to do so:

1. STM32CUBEPROGRAMER.
2. STM32CUBEIDE.

The STM32CUBEIDE is the actually editor.

STM32CUBEPROGRAMER is used to actually connect the STM in the blue pill to the computer.

It takes the program script in the format of (**.bin**) and downloads the script to the STM.

Keep in mind the position of the BOOT0 when downloading to the STM. In the case on downloading, it should be HIGH i.e., should be equal to 1. And already RESET.

To do subtask(1):

Use

HAL\_GPIO\_TogglePin(GPIOA, GPIO\_PIN\_no);

This tells the MCU to be TOGGLE pin PA(no)

Then we use

HAL\_Delay(ms);

To do subtask (2):

