Digital hour meter programming steps

Step 1 - Burning Bootloader

1. Open the memory clearing program or main program from the folder named Digital Hour meter.
2. Take care that the cursor doesn't fall on the editor area.
3. Place the IC in the Hour meter programming board.
4. Select Tools.
5. Select Board.
6. Select MiniCore.
7. Select Atmega328.
8. Select Tools.
9. Select Variant.
10. Select 328 / 328A.
11. Select Tools.
12. Select a programmer.
13. Select Arduino as ISP (MiniCore).
14. Select Tools.
15. Select Burn Bootloader.
16. After the Message shows Done burning bootloader, IC can be removed to program another IC.

Step 2 - Uploading memory clearing program

1. Open the memory clearing program from the Digital Hour meter folder.
2. Take care that the cursor doesn't fall on the editor area.
3. Place the **bootloaded** IC in the Hour meter programming board.
4. Select Tools.
5. Select Board.
6. Select “breadboard-avr (in sketchbook)”
7. Select “Atmega328 on a breadboard (8 MHz internal clock)”
8. Select Tools.
9. Select a programmer as “Arduino as ISP”
10. Select Sketch.
11. Select “Upload using programmer Ctrl + Shift + U”
12. After the Message shows Done Uploading, the main program can be uploaded using the below mentioned steps.

Step 3 - Uploading the Main program

1. Open the main program from the Digital Hour meter folder.
2. Take care that the cursor doesn't fall on the editor area.
3. Place the **bootloaded and memory cleared** IC in the Hour meter programming board.

4. Select Tools.
5. Select Board.
6. Select “breadboard-avr (in sketchbook)”
7. Select “Atmega328 on a breadboard (8 MHz internal clock)”
8. Select Tools.
9. Select a programmer as “Arduino as ISP”
10. Select Sketch.
11. Select “Upload using programmer Ctrl + Shift + U”
12. After the Message shows Done Uploading, the patient time timer will be displayed on the OLED display.