

MPLAB X IDE v6.15 - Lab2 : default

File Edit View Navigate Source Refactor Production Debug Team Tools Window Help

Search (Ctrl+I)

default

PC: 0x0 itshvnc

How do I? Keyword(s)

Projects x Classes Files Services

Lab1

Lab2

Header Files

defines.h

hd44780.h

lcd.h

Important Files

Linker Files

Source Files

Libraries

Loadables

Lab3

lab_2.c x Start Page x defines.h x

Source History

```
1
2 //Tazvik Ziauddin
3 //1659244
4 //2024-11-01
5
6 #define F_CPU 14745600UL
7
8 #include "defines.h"
9 #include <avr/io.h>
10 #include <util/delay.h>
11 #include <stdio.h>
12 #include "hd44780.h"
13 #include "lcd.h"
14
15 // Setting up the stream for LCD
16 FILE lcd_str = FDEV_SETUP_STREAM(lcd_putchar, NULL, _FDEV_SETUP_WRITE);
17
18 float measuring(void) {
19
20     PORTB |= (1<<PB2);
21     _delay_us(10);
22     PORTB &= ~(1<<PB2);
```

Lab2 - Dashboard x Navigator

Lab2

Project Type: Application - Configuration: default

Device

ATmega328P

Checksum: NA

CRC32: 0xD3FDE08C

Packs

ATmega_DFP (3.0.158)

Snap (2.5.1261)

Compiler Toolchain

AVR-GCC (v7.3.0) [C:\Users\tazvi\Downloads

Production Image: Optimization:

Device support information: ATmega_DFP (3.

Memory

Usage Symbols disabled. Click to enable Load :

Data 2,048 (0x800) bytes

Program 32,768 (0x8000) bytes

Debug Tool

Output x Configuration Bits

Snap-Lab2 x Internet Connection x Lab2 (Build, Load, ...) x

target device ATmega328P round.

Device Id Revision = 0x0 (A)

Device Id = 0xf

Calculating memory ranges for operation...

Erasing...

The following memory area(s) will be programmed:

program memory: start address = 0x0, end address = 0x9bf

Programming/Verify complete

4 4:13 INS