LAB # 02

INTRODUCTION TO MSP43O MCU AND INSTALLATIONS OF HARDWARE

AND SOFTWARE TOOLS



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CSE-307L

Microprocessor Based System Design Lab

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Submitted to:

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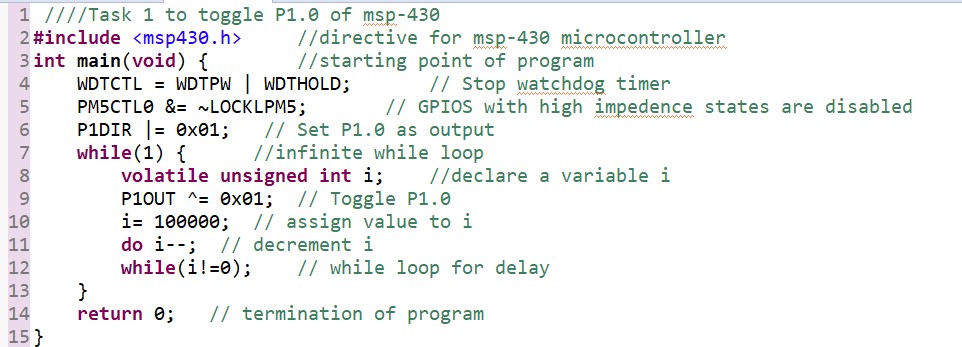
Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar

# Task 1

**Write a program for MSP-430 which toggle P1.0 or any other pin of MSP-430 MCU Code:**

**Output:**



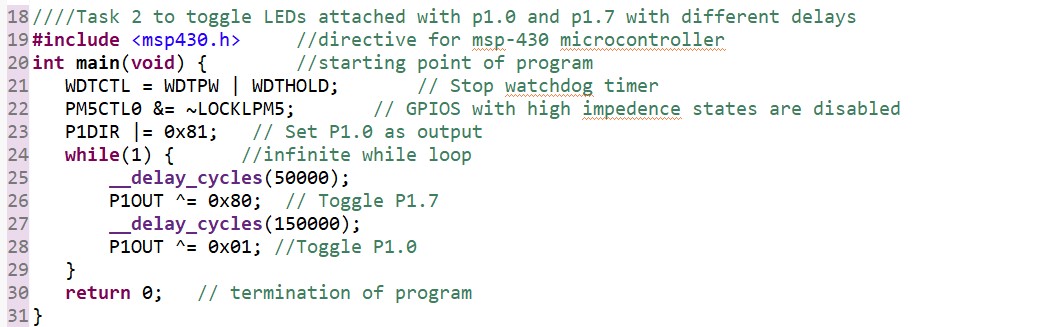
A red circuit board with a display and wires

AI-generated content may be incorrect.

# Task 2

**Write a program for MSP-430 which toggle LEDs attached with P1.0 and P1.7 at the same time with different delays.**

**Code:**



**Output:**

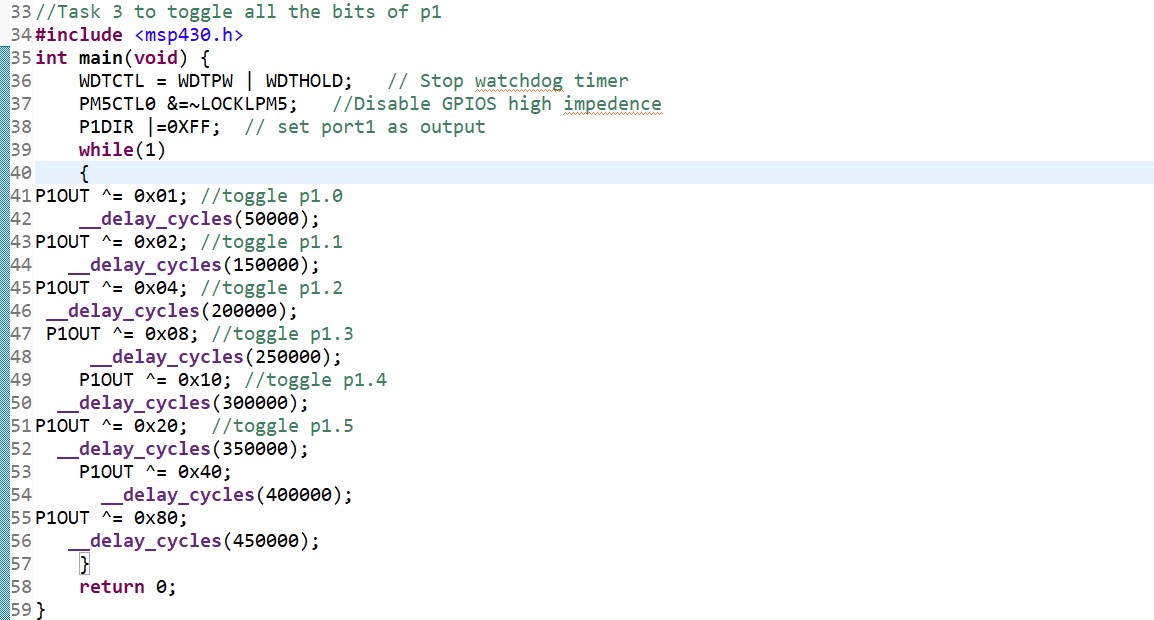
A close up of a circuit board

AI-generated content may be incorrect.

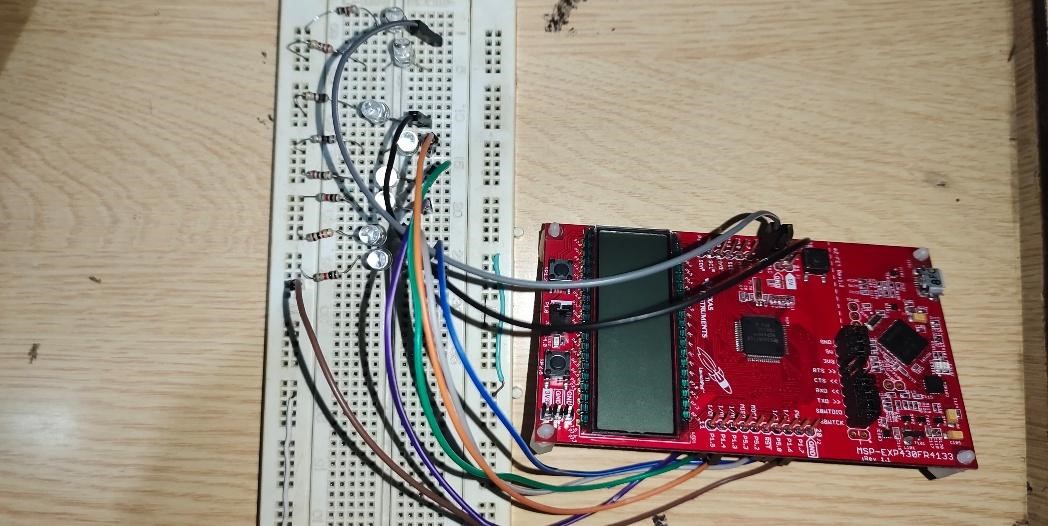
# Task 3

**Write a program for MSP-430 to toggle all the LEDs attached with P1 or any other PORT**

**Code:**

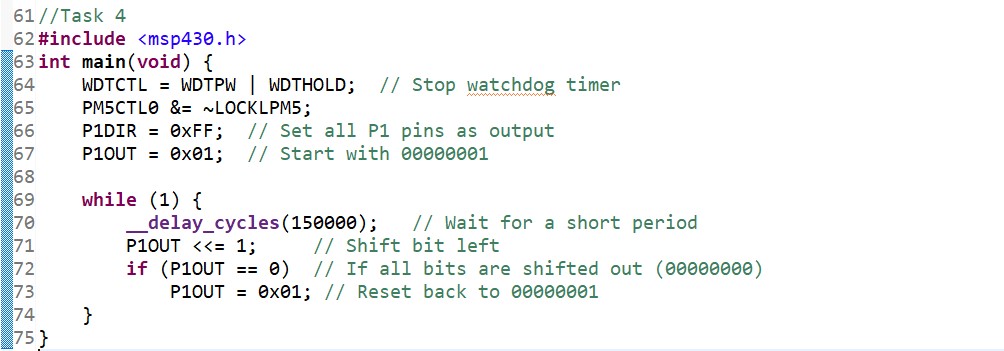


**Output:**

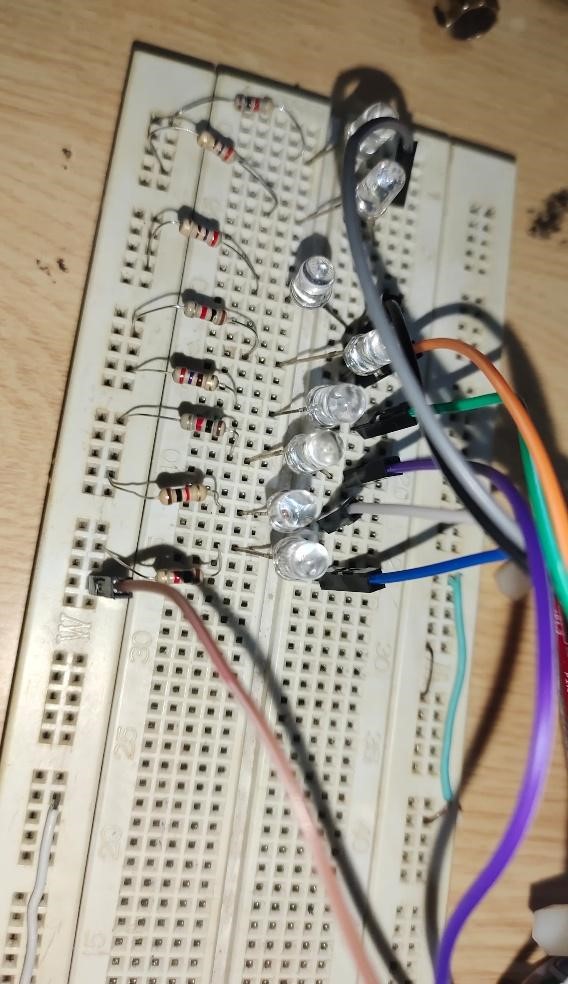


# Task 4

**Display the pattern using C language 00000001 00000010 00000100 …. 10000000 00000001 00000010 Continuously Code:**



**Output:**



# \*\*\*\*\*END OF LAB 02\*\*\*\*\*