Pressure Monitoring System for Arduino (P09):

This Arduino program is designed to oversee pressure values from analog sensors and exhibit both the target and current pressure on a 4x20 I2C LCD screen. The setup incorporates LEDs connected to pins 13, 12, 8, 4, and 7, serving as visual indicators. These LEDs can represent distinct pressure thresholds or events, enhancing the user's ability to interpret pressure conditions. To sum up, this code establishes a comprehensive system for monitoring and presenting pressure data on an LCD screen, augmenting the user interface with visual cues through LEDs for a more intuitive understanding of pressure-related scenarios.

Countdown Simulation for Arduino Rocket Launcher:

The following C++ code emulates a countdown for a rocket launch utilizing an Arduino. It initializes a countdown sequence, outputs messages to the serial monitor, and triggers a relay pin to simulate the ignition and launch of a rocket. The code can be easily tailored to match your specific hardware requirements, and you have the flexibility to introduce additional logic for enhanced functionality.