ALGORITHM

Initialization:

- 1. Include the LiquidCrystal library for controlling the LCD display.
- 2. Define constants and variables for pins and sensor data.
- 3. Initialize the LCD display with 16 columns and 2 rows.
- 4. Display a welcome message on the LCD and clear it after 2 seconds.

Main Loop (Repeated):

- 1. Read the analog value from the rain sensor.
- 2. Map the analog value to a percentage representing the rain level.
- 3. Check if a button for silent mode is pressed:
 - a. If pressed, set silent mode to ON.
- 4. Display the rain level percentage on the LCD.
- 5. If the rain level is above 30% and silent mode is OFF:
 - a. Activate the buzzer.
 - b. Display a "Rain Alert...!!!" message on the LCD.
 - c. Turn off the green LED and turn on the red LED.
 - d. Wait for 300 milliseconds.
- 6. If the rain level is 30% or lower:
 - a. Set silent mode to OFF.
 - b. Display ".....Normal....." on the LCD.
 - c. Turn on the green LED and turn off the red LED.
 - d.Turn off the buzzer.
- 7. Add a short delay before repeating the loop.
- 8. End of Loop

This algorithm describes the key steps performed by the Arduino code to read and display rain sense data, provide feedback, and allow for silent mode control.	sor
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