📡 IR Remote-Controlled LED System using Arduino

This project uses an **IR remote** to control **LEDs** connected to an **Arduino**. The IR sensor **receives signals from the remote** and turns the LEDs **ON or OFF** based on the button pressed.

◆ How It Works

1. The **IR receiver (connected to pin 12)** detects signals from the **IR remote**.
2. The **Arduino decodes the IR signal** and matches it to predefined cases.
3. Based on the **button pressed**, one of the three **LEDs (Blue, Orange, Green)** turns **ON or OFF**.
4. The **decoded value** is printed on the **Serial Monitor** for debugging.