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Traffic Light Demo project using Arduino UNO

This project simulates a **traffic light system** using an **Arduino Uno**, **red, yellow, and green LEDs**, and a **push button**. When the button is pressed, the LEDs light up in a sequence mimicking a real traffic signal:

- Red LED indicates "STOP"
- Yellow LED indicates "GET READY"
- Green LED signals "GO" (or "BYE" as in the code)

This simple project demonstrates **basic digital input/output control** and is great for beginners learning about **sequencing, timing, and real-world traffic light behavior**.