#define LED\_PIN 2  // Define the pin number where the LED is connected

void setup() {

    pinMode(LED\_PIN, OUTPUT);  // Set the LED pin as an output

}

void loop() {

    digitalWrite(LED\_PIN, HIGH);  // Turn the LED on

    delay(1500);                  // Wait for 2 seconds

    digitalWrite(LED\_PIN, LOW);   // Turn the LED off

    delay(4000);                  // Wait for 4 seconds

    digitalWrite(LED\_PIN, HIGH);  // Turn the LED on

    delay(3500);                  // Wait for 4 seconds

    digitalWrite(LED\_PIN, LOW);   // Turn the LED off

    delay(5000);                  // Wait for 2 seconds

    // The loop will repeat indefinitely

}