int redLedPin = 13;

int count = 0;

void setup() {

pinMode(redLedPin, OUTPUT);

Serial.begin(9600);

while (! Serial);

Serial.println("Enter Y to turn on the LED:");

}

void loop(){

if (Serial.available()){

char ch = Serial.read();

if (ch == 'y' || ch == 'Y'){

digitalWrite(redLedPin, HIGH);

Serial.println("You have turned on the LED!!");

Serial.print("The LED was off for ");

Serial.print(count);

Serial.println(" seconds");

Serial.println("If you want to switch it off, simply enter N or n!");

count = 0;

}

if (ch == 'n' || ch == 'N'){

digitalWrite(redLedPin, LOW);

Serial.println("You have turned off the LED!!");

Serial.print("The LED was on for ");

Serial.print(count);

Serial.println(" seconds");

Serial.println("If you want to switch it on, simply enter Y or y!");

count = 0;

}

}

delay(1000);

count += 1;

}