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Exp. 6

Aim :-

    Demonstrate to show ON/OFF of a LED using LDR using LDR-Night light simulation.

Hardwares Requires.
    Arduino Board
    Photoresistor
    Resistor
    LED
    Breadboard small

Code :-

```
const int    LedPin = 13;
const int    LdrPin = A0;

void setup()
{
      serial.begin (9600);
      pinMode (LedPin, OUTPUT);
      pinMode (LdrPin, INPUT);
}
void loop()
{
      int LdrStatus = analogRead (LdrPin);
      serial.println (LdrStatus);
      if (LdrStatus <= 10)
      {
            digitalWrite (LedPin, HIGH);
            Serial.println ("LDR is Dark, LED is ON");
      }
      else
      {
            digitalWrite (LedPin, LOW);
            Serial.println ("  - - - - - - - ");
```

V_C 6V

RST	GND	D15
REF		D14
		D13
		D12
		D11
		D10
		D9
		D8
A5		D7
A4		D6
A3		D5
A2		D4
A1		D3
A0		D2
		D1
		D0
	GND	