**#10 – Photoresistor**

A photoresistor changes the resistance a circuit gets based on the amount of light that hits the sensor.  In this project, the brightness of the LED will increase and decrease based on the amount of light present.

**Parts Needed**

* (1) Arduino Uno
* (1) USB A-to-B Cable
* (1) Breadboard – Half Size
* (1) LED 5mm
* (1) 330 Ω Resistor
* (1) 10K Ω Resistor
* (1) Photoresistor
* (6) Jumper Wires

**Project Diagram**

Click Image To Enlarge

**Project Code**

1. Connect the Arduino board to your computer using the USB cable.
2. Open project code  –  **Circuit\_10\_Photoresistor**
3. Select the board and serial port as outlined in earlier section.
4. Click upload button to send sketch to the Arduino.