**#4 – Potentiometer**

Using a potentiometer, you will be able to control the resistance of an LED.  Turning the knob will increase and decrease the frequency the LED blinks.

**Parts Needed**

* (1) Arduino Uno
* (1) USB A-to-B Cable
* (1) Breadboard – Half Size
* (1) LED 5mm
* (1) 220 Ω Resistor
* (1) Potentiometer (10k Trimpot)
* (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\_04\_Potentiometer**
3. Select the board and serial port as outlined in earlier section.
4. Click upload button to send sketch to the Arduino.