**#7 – Bar Graph**

Using a potentiometer, you can control a series of LEDs in a row.  Turning the potentiometer knob will turn on or off more of the LEDs.

**Parts Needed**

* (1) Arduino Uno
* (1) USB A-to-B Cable
* (1) Breadboard – Half Size
* (1) Potentiometer – Rotary
* (10) LED 5mm
* (10) 220 Ω Resistor
* (11) 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\_07\_BarGraph**
3. Select the board and serial port as outlined in earlier section.
4. Click upload button to send sketch to the Arduino.