**#14 – Motor**

Using a switching transistor, we will be able to control a DC motor.  If everything is connected correctly, you should see the motor spinning.

**Parts Needed**

* (1) Arduino Uno
* (1) USB A-to-B Cable
* (1) Breadboard – Half Size
* (1) DC Motor
* (1) 330 Ω Resistor
* (1) Diode 1N4148
* (1) NPN Transistor
* (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\_14\_Motor**
3. Select the board and serial port as outlined in earlier section.
4. Click upload button to send sketch to the Arduino.