***Exp. 1 Design an LED flasher***

**Circuit Diagram:**

ARDUINO UNO BOARD

**+ -**

Resistor

LED

**Theory**

Concept Used: Making a LED glow using Arduino Board by using “delay();” function.

Learning & Observations: LED is firstly switched on and then delayed for 250 milliseconds then turned off and once more delayed for 250 milliseconds

Problems & Troubleshooting: LED was found to be fused and Arduino may be faulty and it may be resolved by changing the elements

Precautions: Resistor ought to be connected to LED so the flow of current remains low and preserves LED from damaging.

Learning Outcomes: LED is a diode having 2 ends P-type and N-type and glows with a really less amount of current. Arduino IDE is employed to program the chip in bound method given.