***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 again delayed for 250 milliseconds

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

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

Learning Outcomes: LED is a diode having two ends P-type and N-type and glows with a very less amount of current. Arduino IDE is used to program the microprocessor in certain way given.