***Theory* :-> The concept of the following experiment states that, when we press the switch the current will start flowing and it will flow through the path of less resistance and that will be the path through arduino. And the led glows as per the brightness flowing on the LDR. When switch is on LDR will work, and when the switch is off LDR will not work as the circuit will be incomplete.**

**-> We learn the conceptsof switch that used with ardiuno and how to control the path of flow of current to get a proper input.**

**-> We learn how to glow leds by changing the brightness on LDR .**

**-> We learn how to code in ardiuno.**

**->We do not precise the path of current it will directly go to the ground and never give a result high or 1 to the ardiuno for further process.**

**-> While during connection it is important to do all connections in a sequence manner otherwise for the loop will not be used while during program.**

**->Wiring should be done properly neatly.**

**-> Do not use excess wires try to reduce number of wires used.**

**-> Resister of high resistance more than that of ardiuno should be used**

**-> We learn to code and how to make circuit using ardiuno.**