Aim:

**DESIGN AN LED chaser with ldr.**

**Circuit diagram:**

**Theory:**

**Concept used:**

* **By using kirchoff’s voltage law**

**&**

* **By using kirchoff’s current law**
* **Series or parallel connections**

**Learning and observations:**

**Connections in Breadboard and wiring.**

**How to control arduino and its coding.**

**Use of multimeter for continuity.**

**OBSERVATION:**

* **Blinking of leds in a pattern and in chasing form.**
* **Relation between software and hardware.**

**Problems & Troubleshooting:**

* **To select the right port and type of arduino**
* **To check the loose connections**
* **To check the connections according to the codes**
* **To check the continuity of the circuit**
* **To check the flow of current in the circuit**

**Precautions:**

* **Handle tools carefully**
* **Wear gloves**
* **Do not connect arduino till the circuit is complete**

**Outcomes:**

* **Leds glows in a chasing pattern**
* **It can be used as for decorating purpose**