Experiment 2

DESIGN A LED Chaser.

**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 .**