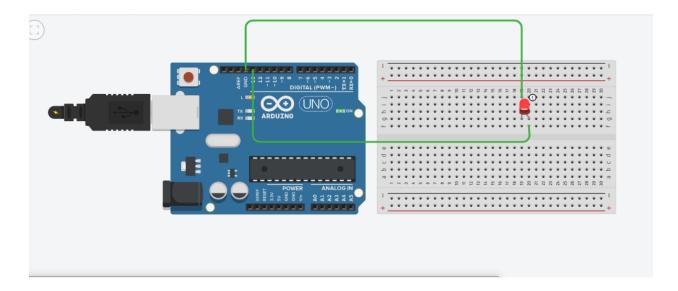# DESIGN AN LED FLASHER

Circuit Diagram:

Theory:

CONCEPT USED:

- ➤ **By using kirchoff's voltage law**

  &

- ➤ **By using kirchoff's current law**

LEARNING AND OBSERVATIONS:

- • **Connections in Breadboard and wiring.**
- • **How to control arduino and its coding.**
- • **Use of multimeter for continuity.**

OBSERVATION:

- ➤ **Blinking of an LED.**
- ➤ **Relation between software and hardware.**

PROBLEMS & TROUBLESHOOTING:

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

PRECAUTIONS:

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

OUTCOMES:

- o **On and off of an LED**
- o **Used in project works**

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