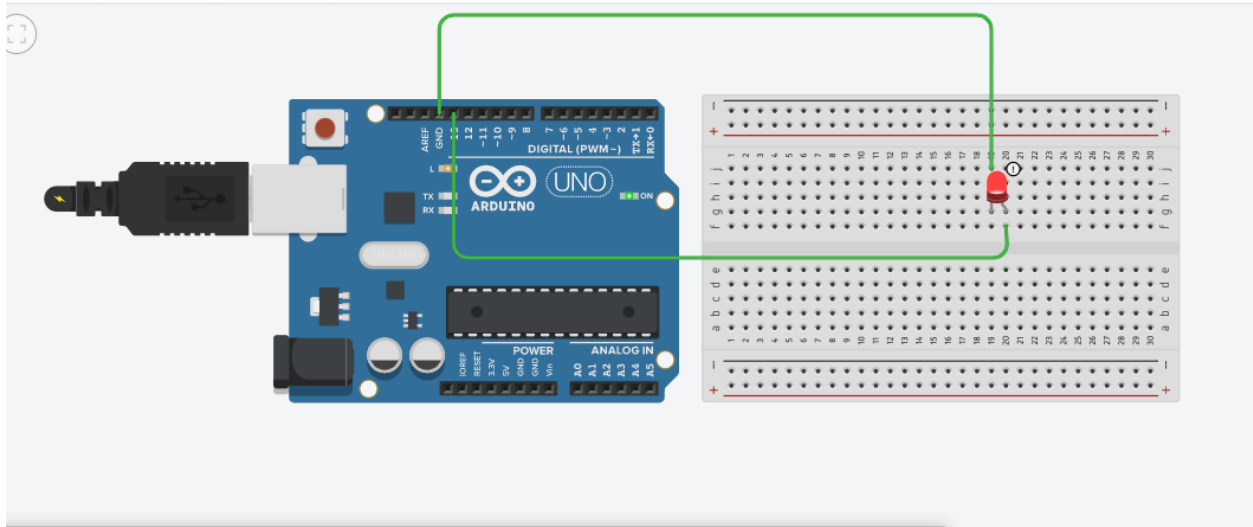


Experiment 1

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:

- **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:

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

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