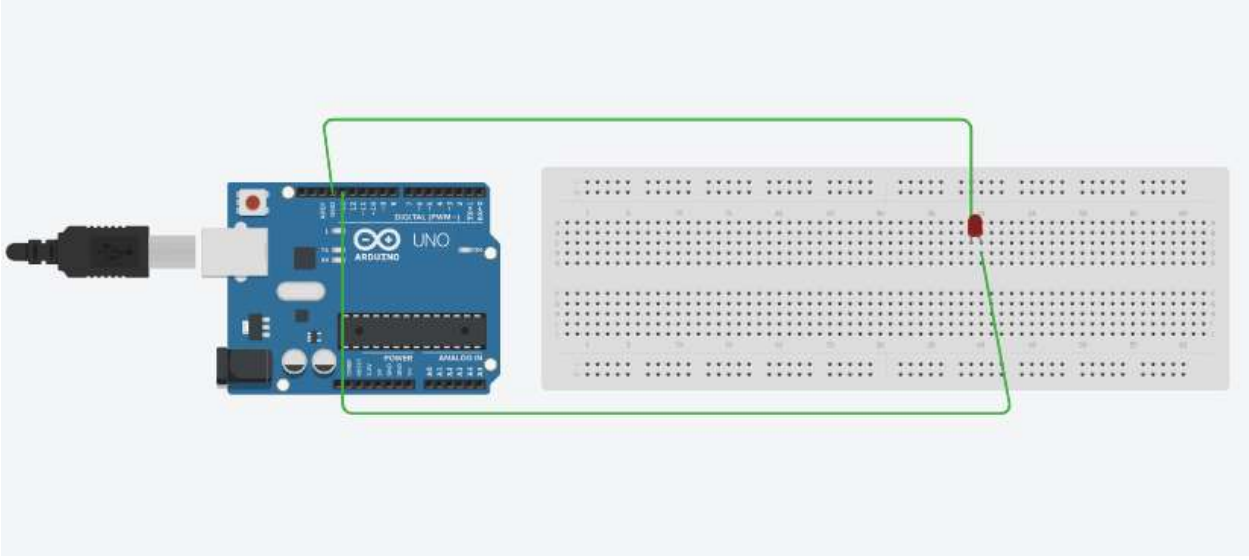
EXP 1- DESIGN AN LED FLASHER

CIRCUIT DIAGRAM



THEORY

CONCEPT USED:

1. Making connection in BREADBOARD.
2. Coding of micro-controller in ARDUINO UNO.
3. Working of LEDs.

LEARNING AND OBSERVATIONS:

In the experiment we learned

- Breadboard and its wiring.
- Using LED and ARDUINO UNO to make different patterns.
- Coding in ARDUINO.

My Observations were:

- Coding syntax is similar to C language.
- Delay plays important role in the code because if we do not use delay function then we would not be able to see the LED blinking.
- LED blinking with a delay of 1 sec between its HIGH(ON) and LOW(OFF) state.

PROBLEMS AND TROUBLESHOOTING:

- To check whether correct port and type of ARDUINO is selected or not.
- Declaring correct input/output pins.

PRECAUTIONS:

- Check loose connections.
- Check that the negative terminal of LED should be connected to ground to ensure potential difference.

LEARNING OUTCOMES:

Got a slight idea of using ARDUINO UNO for different purposes.