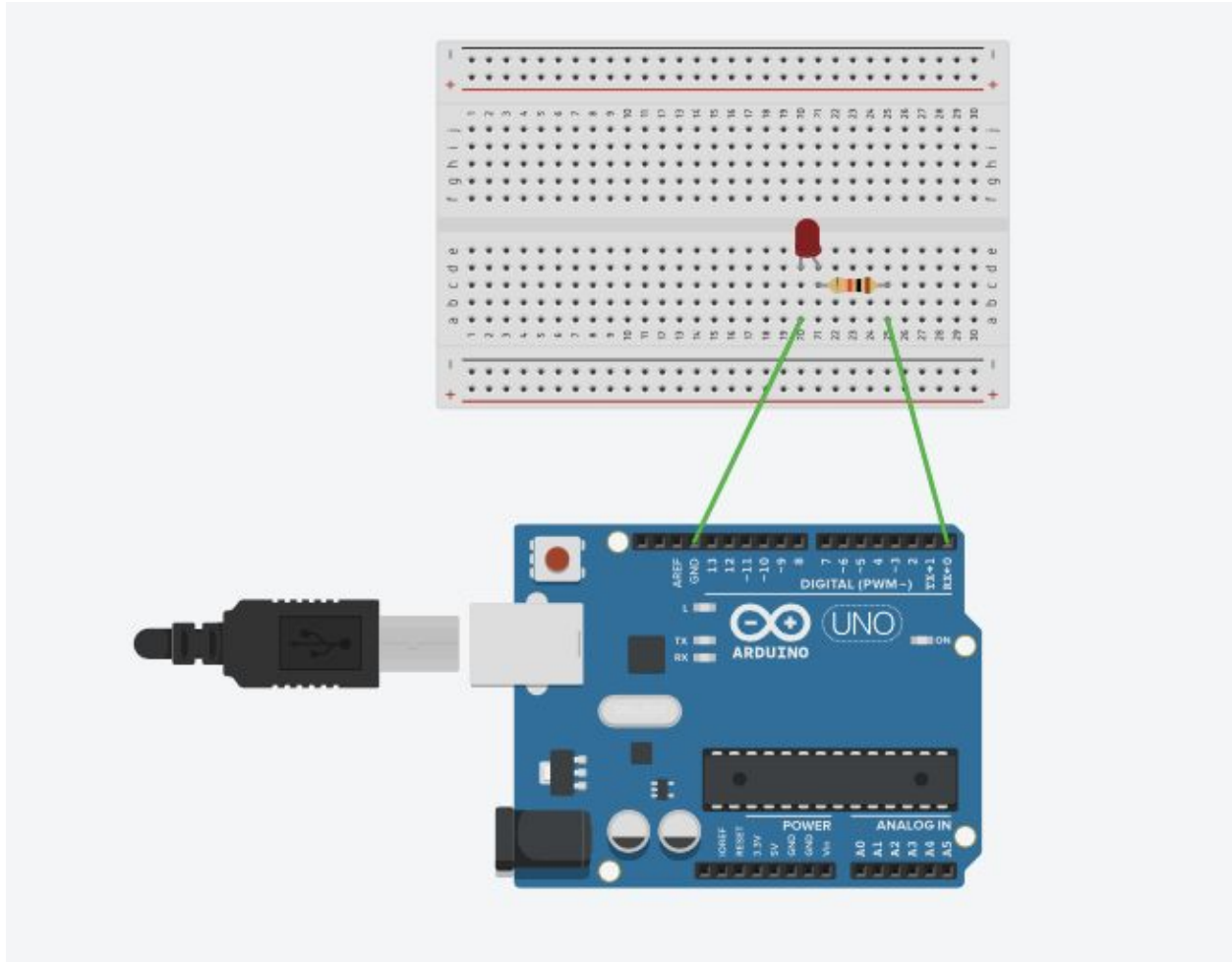# Exp. 1   Design an LED flasher

Circuit Diagram:

Theory

Concept used:-

Basic knowledge of connection of wires, understanding the working of Arduino board and all the components of it. Basic Knowledge of BreadBoard, Coding and uploading of Arduino Board using a software Arduino. Connection of LED, wire and Arduino Board. Basic Knowledge of Electric Circuit is necessary.

Learning & Observations :-

Learning -- Working of Arduino Board and working with Arduino Board and BreadBoard. Making correct connection to make circuit work properly.
Observations -- Connection inside the BreadBoard. Importance of grounding and the work that can be done or simulated by the Arduino Board.

Problems & TroubleShooting

Problems faced while performing the task were the working of Arduino software and most basic was selecting the port and board. It was resolved correctly by selecting the port and board by which the experiment was performed easily and efficiently.

Precautions

- Making connecting correctly
- Using working instruments but not of damaged ones.
- Selecting the correct port and board while working with Arduino Software
- Using Safety measures

Learning & Outcomes

From the experiment performed in BEEE lab, i learned that how to work with Arduino Board, BreadBoard and also coding and using Arduino and its Software.
This helped me in the Basic understanding o Arduino Board.