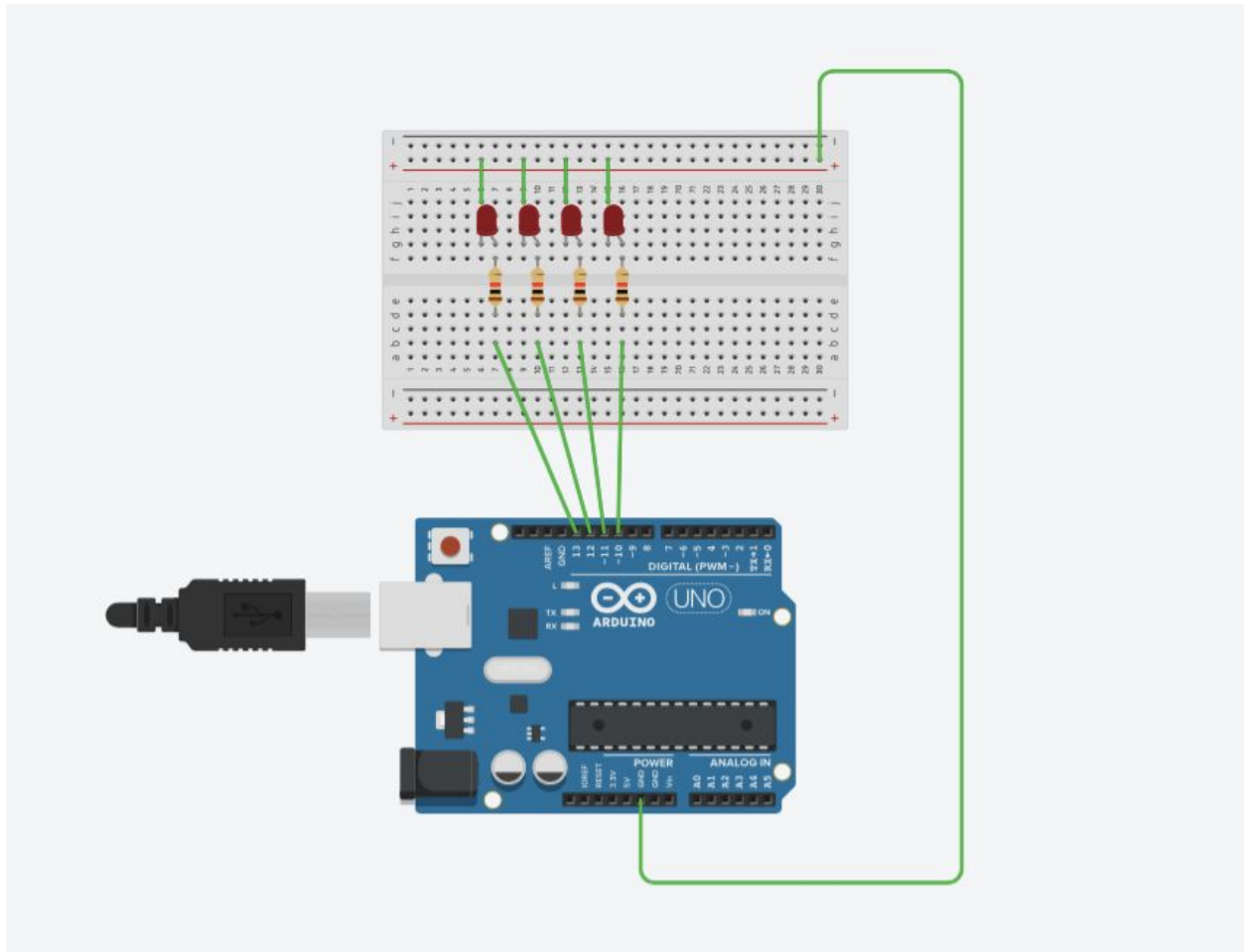


Exp.2 Design Christmas dual led chaser lights.



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 electrical equipment is necessary. Basic Knowledge of Electric Circuit and the connection is necessary. Moreover, basic understanding of simultaneously glowing of LEDs and the series of glowing.

Learning & Observations :-

Learning -- Using the learning from the last experiment making the exp1 more complex (simple flashing of LEDs to chasing the LEDs).Working of Arduino Board and working with Arduino Board and BreadBoard. Making correct connection to make circuit work properly.

Observations -- Programming the Arduino Board in order to make the LEDs Chasing. Connection inside the BreadBoard. Importance of grounding and the work that can be done or simulated by the Arduino Board.

Problems & TroubleShooting

Problem faced during the conduction of the experiment were programming the Arduino UNO board with different methods of coding and implementing different loops.

TroubleShooting can only be done by learning and implementing different codes.

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

Through conduction of this experiment I have learned how to program the Arduino board with different methods using loops and what set of instructions need to be passed in order to make LEDs chasing.

This Experiment helped me in basic understanding of the codes and the methods.