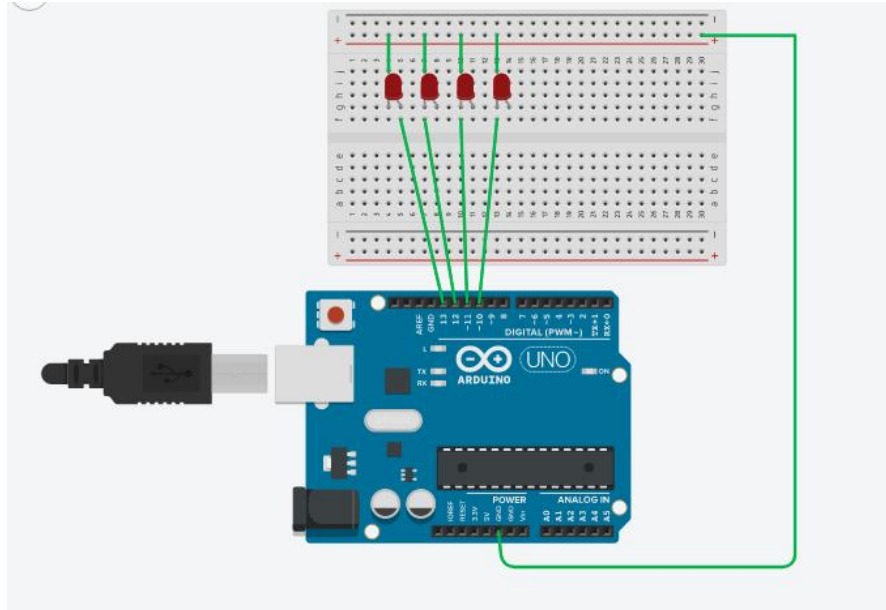# Exp. 1 Design an LED Chaser

Circuit Diagram:

Theory:
Concept Used:
- Ohm's law
- Kirchhoff's rule
- For loop

Learning & Observations:
- Working of Arduino
- Using for loop
- Different LED patterns
- Application of Ohm's law and Kirchhoff's rule

Problems & Troubleshooting:
- Port selection
- Loose connections
- Error in coding

Precautions:
- Connections should be tight
- Port and board selection should be correct
- Code should be written properly

Learning Outcomes:

Chasing of LED was verified after uploading the program.