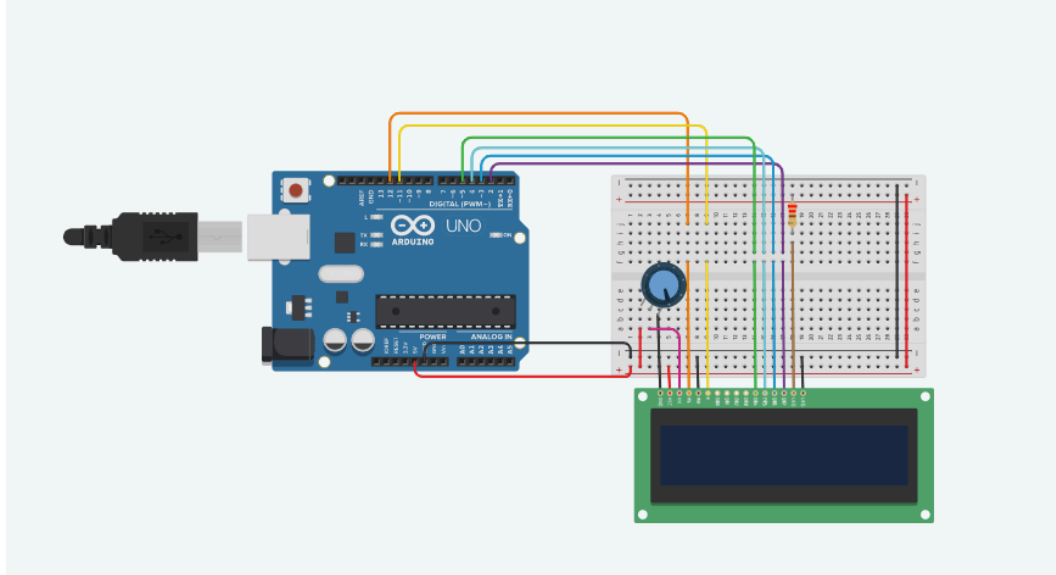


Exp. 7 CLCD

Circuit Diagram:



Theory:

Concept Used: A liquid crystal display (LCD) is a type of display which uses the light modulating (polarising) properties of liquid crystals. They are semi-solid crystals arranged on a substrate. Liquid crystals do not emit light directly, they are the medium that helps the light to bend/rotate.

Learning & Observations: through this experiment we learned about the working of LCD and how display data in the screen

Problems & Troubleshooting

1. Some errors in the circuit like connection of wires to the wrong ports were to be corrected in order to attain a working circuit.
2. Errors in the code for pin connections occurred that were resolved after some corrections.

Precautions

- Check every connection twice.

- Grounds should be connected, unless you know you want them separated.
- Don't plug in an LED without a current limiting resistor.
- Don't plug it into unknown circuit.

Learning Outcomes

- Familiar with Arduino environment and its applications.
- Getting familiar with the working of light sensor.
- Able to Design Smart systems applications.