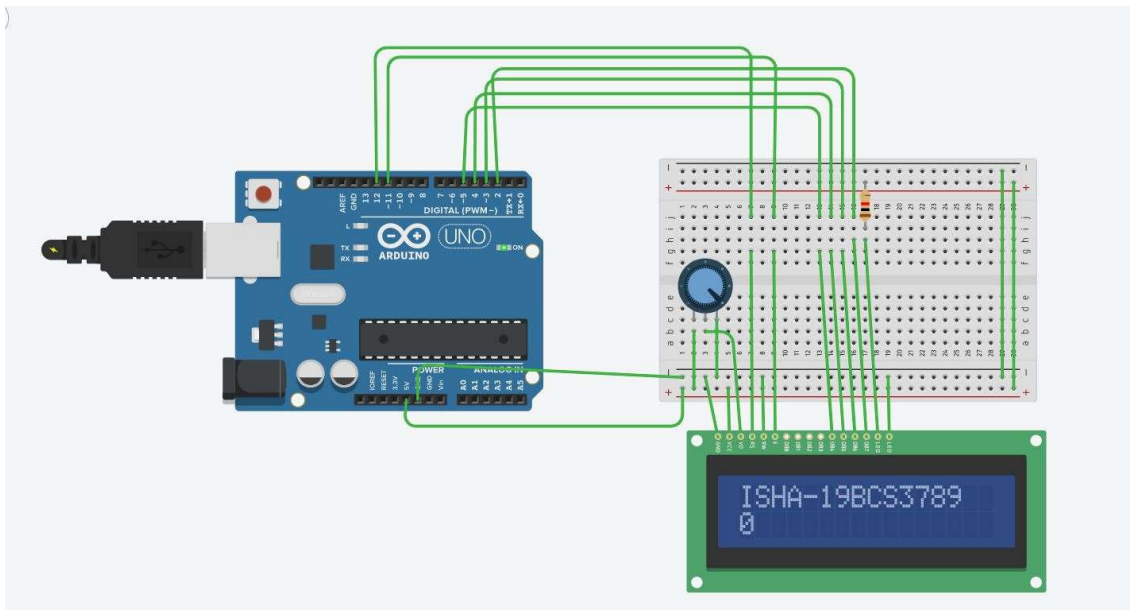


Exp 7

Circuit diagram:



Theory:

Concept used:

Various concepts are used in this exp as listed:

1. Use of digital data display system
2. Use of LCD
3. Use of potentiometer

Learning and Observations:

In this exp we learnt about

1. How to code Arduino for making the output from LCD.
2. Liquid crystal display.
3. The new application of Potentiometer.

Observations:

1. We get to know about how `lcd.print` command works.
2. If we change the value in `begin` then it will change the LED's number of columns and rows.

Problem and troubleshooting:

1. To select the right port and type of Arduino
2. To check the continuity of the circuit.
3. Setting up right connections.
4. Display in proper order.
5. Pin modes of LCD.

Precautions :

1. Do not connect arduino till the circuit is complete.
2. Do not connect LCD without a variable resistor.

Learning Outcomes:

1. Display our command as digital data output.
2. Proper use of Arduino and breadboard