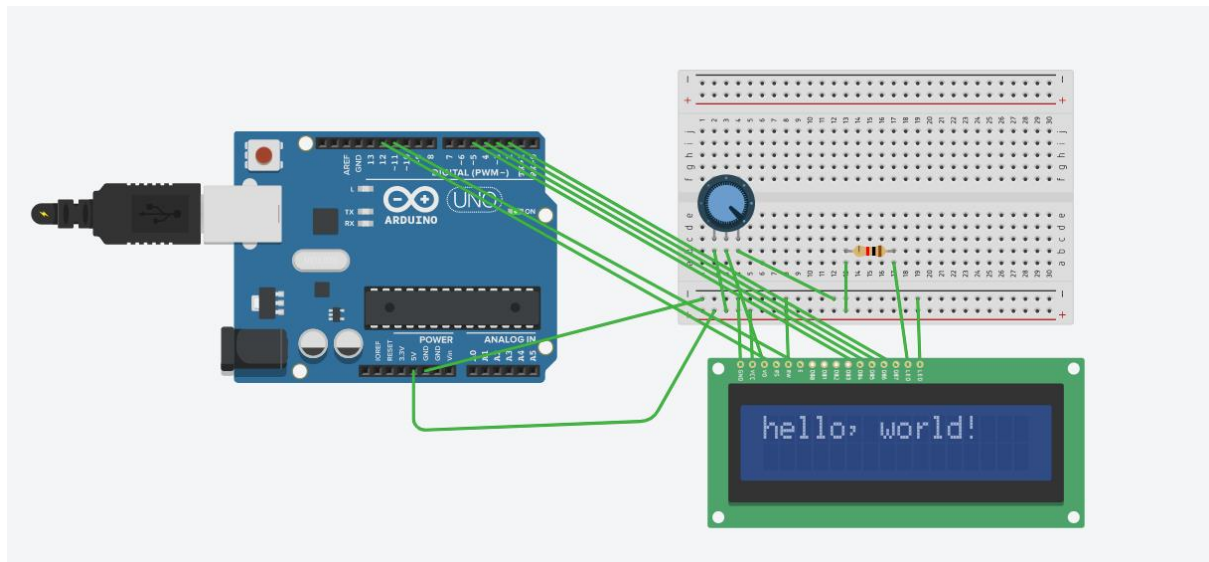# EXPERIMENT :5 lcd interface programmable digital data dislplay system

DIAGRAM:-

THEORY:

CONCEPT USED- The concept of the following experiment is that, LCD will display when it is connected and coded in above format. Potentiometer attached in the circuit controls the brightness of LCD. There are 16 pins in LCD. There are 3 pins in potentiometer.

LEARNING AND OBSERVATIONS-

➔ We learn the use of LCD. And its working by change in brightness due to potentiometer.

➔ We learn how to code in arduino.

➔ We learn about the use of all basic functions and for loop.

PROBLEMS AND TROUBLESHOOTING –

➔ Brightness level is adjusted through potentiometer, it should be used gently.

➔ While during connections it is important to do all connection in a sequence manner otherwise for loop will not be used while during program.

PRECAUTIONS -

➔ Wiring should be done properly, neatly.

➔ Do not use excess wires try to reduce number of wires used.

LEARNING OUTCOMES –

We learn to code and how to make circuit using ardiuno.