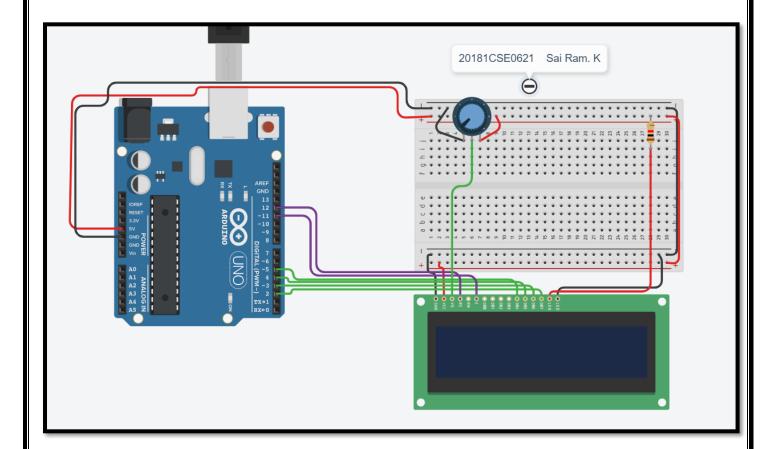
# Set C

#### **Question:**

Write a sketch to display a message "iot is future " in lcd starting from the position  $3^{rd}$  column  $1^{st}$  row and simulate the same using tinker cad.

	Date Page
	20181CSE0621 29/04/2021 Sai Ram.k. 6-CSE-10 TOT CA-3
	Set-C
>	Ain: To display the message "IoT is future" on LLD from 3rd column and first row.
<b>&gt;</b>	Components: Arduino, Breadboard, jumper wires, potentioneter and LCD 16x2, Resistor
>	Initial circuit design:

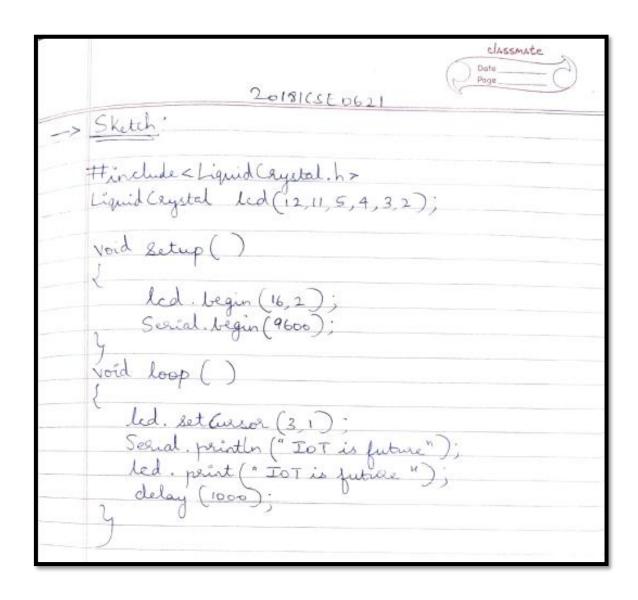
## **Initial Circuit Design:**



## **Procedure:**

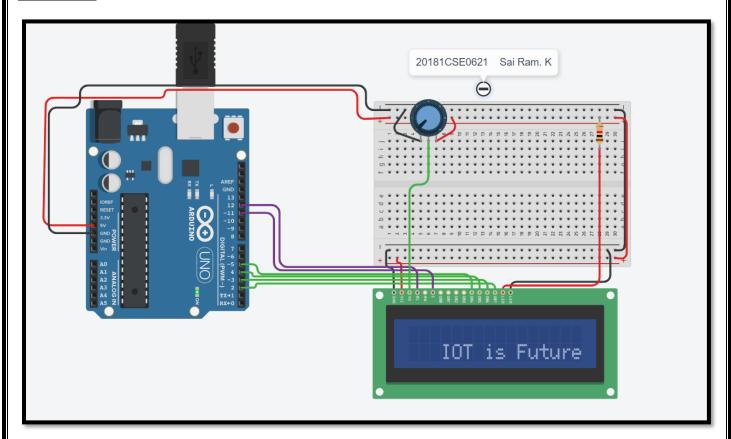
	20181CSED621
	20181CSE0621
>	Procedure:
	· ROCODO ACO.
Step 1:	Assemble all the required components. Connect
	the +SV and Glound of arduno to the
	breadboard on either side for a common
	gea 1 ( SV haint using Jumper wills.
Step2:	Place the Potentioneter on the bread-
,	LI-Das al.
Step3:	ground of Terminal - 2 to \$ +SV (common point).
	ground of Terminal -2 to \$ +SV (comman point).
Step 4:	Connect the wiper of potentioneter to the
	Contest pin of LCD 16x2.
12 (20) 1 (10)	
Steps:	Connect pin 1 & pin 2 se to ground & +SV
~ C ×	To de snow to told he h.
Step6:	Connect pin 4 i e Register Schut to pin 12 2 the aeduno (con be connected to any digital pin) Connect pin 6 i e Enable pin to pin 1) 2
C 6 - 1 - 1	the addino (an be corrected to any tigited pur
Step 7:	the and in a
Ston8:	Connect the DB pins from DB4 to DB7 to
	ning 2 to pins of the adding respectively
Sten9:	pins 2 to pin 5 of the arduino respectively Connect pin 15 to a 1km resistor and
F	the other end of Resistor to +5V.
Step10:	connect pin 16 to ground.
	, 0
Step 11:	Switch on the circuit and we will find
,	that the message "JoT is Future" will
	be displayed from the 52d 20w and the
	\$ 1 st column of the LID 16x2
	U

#### **Sketch:**



#### **Output:**

20181CSE0621



### Serial monitor

