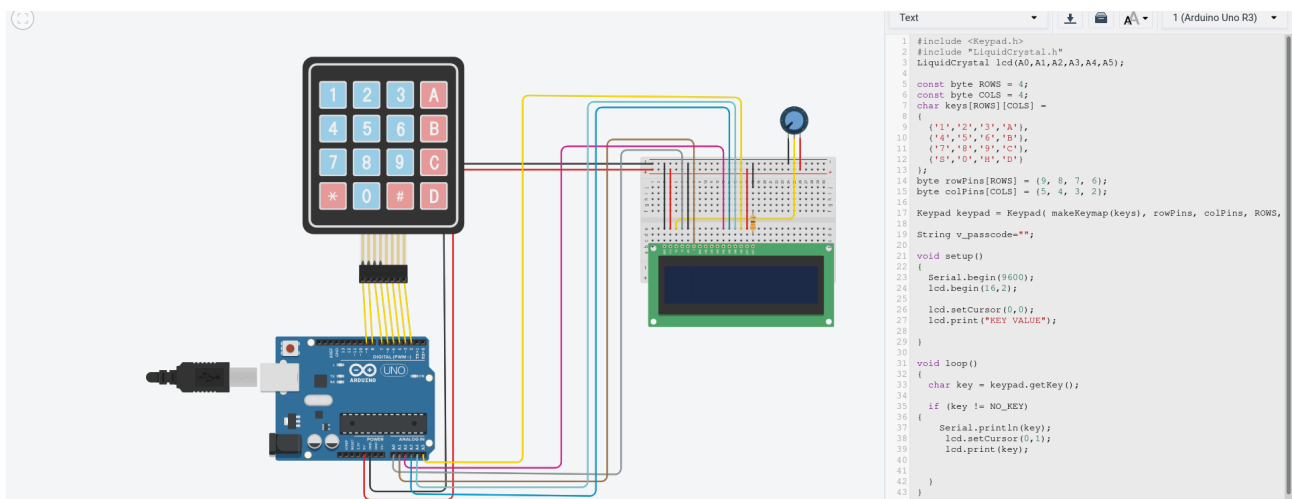
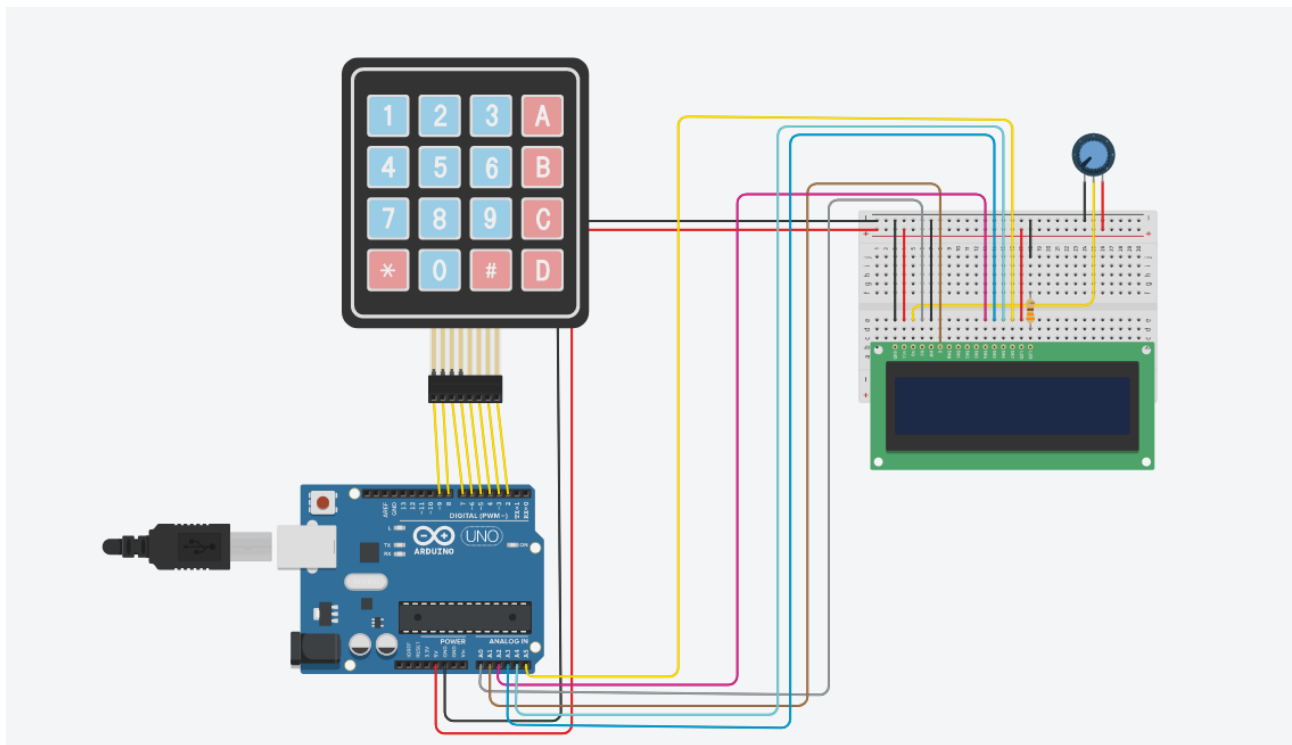


AES Mini Project

Aim: Take Input from keypad and display it on LCD using Tinkercad.

Steps: Open Tinkercad , add the components – Arduino , Keypad , Breadboard , Potentiometer , Resistor , LCD and connect every components



Code :

```
#include <Keypad.h>
#include "LiquidCrystal.h"
LiquidCrystal lcd(A0,A1,A2,A3,A4,A5);

const byte ROWS = 4;
const byte COLS = 4;
char keys[ROWS][COLS] =
{
  {'1','2','3','A'},
  {'4','5','6','B'},
  {'7','8','9','C'},
  {'S','0','H','D'}
};
byte rowPins[ROWS] = {9, 8, 7, 6};
byte colPins[COLS] = {5, 4, 3, 2};

Keypad keypad = Keypad( makeKeymap(keys), rowPins, colPins, ROWS, COLS );

String v_passcode="";

void setup()
{
  Serial.begin(9600);
  lcd.begin(16,2);

  lcd.setCursor(0,0);
  lcd.print("KEY VALUE");
}

void loop()
{
  char key = keypad.getKey();

  if (key != NO_KEY)
  {
    Serial.println(key);
    lcd.setCursor(0,1);
    lcd.print(key);

  }
}
```

Output:

