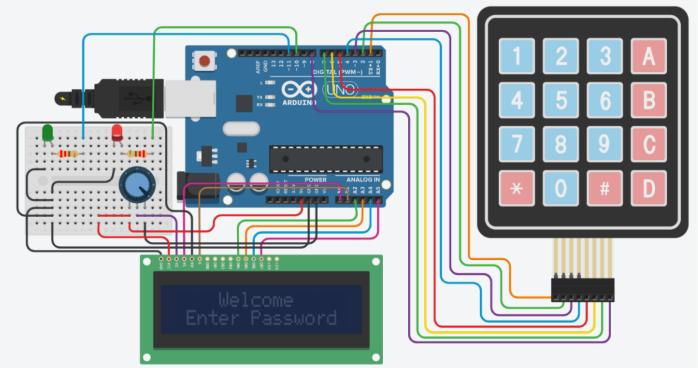
PROYECTO - KEYPAD 4*4 - LCD 16*2 - LED RED Y GREEN



```
/* Arduino Security System with the Keypad and LCD
                                                                             lcd.print(" Enter Password");
* Creator Mert KILIC - Mert Arduino Tutorial and Project
                                                                             //define invalid keys
* Please subscribe for support
                                                                             if(whichKey == '*' || whichKey == '#' || whichKey == 'A' ||
* Thanks
                                                                              whichKey == 'B' | | whichKey == 'C' | | whichKey == 'D'){
*/
                                                                               pozisyon=0;
#include <LiquidCrystal.h> //include LCD library (standard
                                                                               setLocked (true);
library)
                                                                               lcd.clear();
#include <Keypad.h> //include keypad library - first you must
                                                                               lcd.setCursor(0, 0);
install library (library link in the video description)
                                                                               lcd.print(" Invalid Key!");
                                                                               delay(1000);
#define redLED 10 //define the LED pins
#define greenLED 11
                                                                               lcd.clear();
char* password ="1234"; //create a password
                                                                              if(whichKey == password [pozisyon]){
int pozisyon = 0; //keypad position
                                                                               pozisyon ++;
const byte rows = 4; //number of the keypad's rows and
                                                                              if(pozisyon == 4){
columns
                                                                               setLocked (false);
const byte cols = 4;
                                                                               lcd.clear();
                                                                               lcd.setCursor(0, 0);
                                                                               lcd.print("*** Verified ***");
char keyMap [rows] [cols] = {
//define the cymbols on the buttons of the keypad
                                                                               delay(3000);
 {'1', '2', '3', 'A'},
                                                                               lcd.clear();
 {'4', '5', '6', 'B'},
                                                                               lcd.setCursor(0, 0);
 {'7', '8', '9', 'C'},
                                                                               lcd.print(" Mert Arduino");
 {'*', '0', '#', 'D'}
                                                                               lcd.setCursor(0, 1);
};
                                                                               lcd.print("Tutorial Project");
byte rowPins [rows] = {1, 2, 3, 4}; //pins of the keypad
                                                                               delay(7000);
byte colPins [cols] = {5, 6, 7, 8};
                                                                               lcd.clear();
Keypad myKeypad = Keypad( makeKeymap(keyMap), rowPins,
colPins, rows, cols);
                                                                             delay(100);
LiquidCrystal lcd (A0, A1, A2, A3, A4, A5);
// pins of the LCD. (RS, E, D4, D5, D6, D7)
                                                                             void setLocked(int locked){
void setup(){
                                                                             if(locked){
                                                                               digitalWrite(redLED, HIGH);
 lcd.begin(16, 2);
 pinMode(redLED, OUTPUT); //set the LED as an output
                                                                               digitalWrite(greenLED, LOW);
 pinMode(greenLED, OUTPUT);
                                                                               }
 setLocked (true); //state of the password
                                                                                digitalWrite(redLED, LOW);
                                                                                digitalWrite(greenLED, HIGH);
void loop(){
 char whichKey = myKeypad.getKey();
//define which key is pressed with getKey
                                                                             }
 lcd.setCursor(0, 0);
 lcd.print(" Welcome");
 lcd.setCursor(0, 1);
```