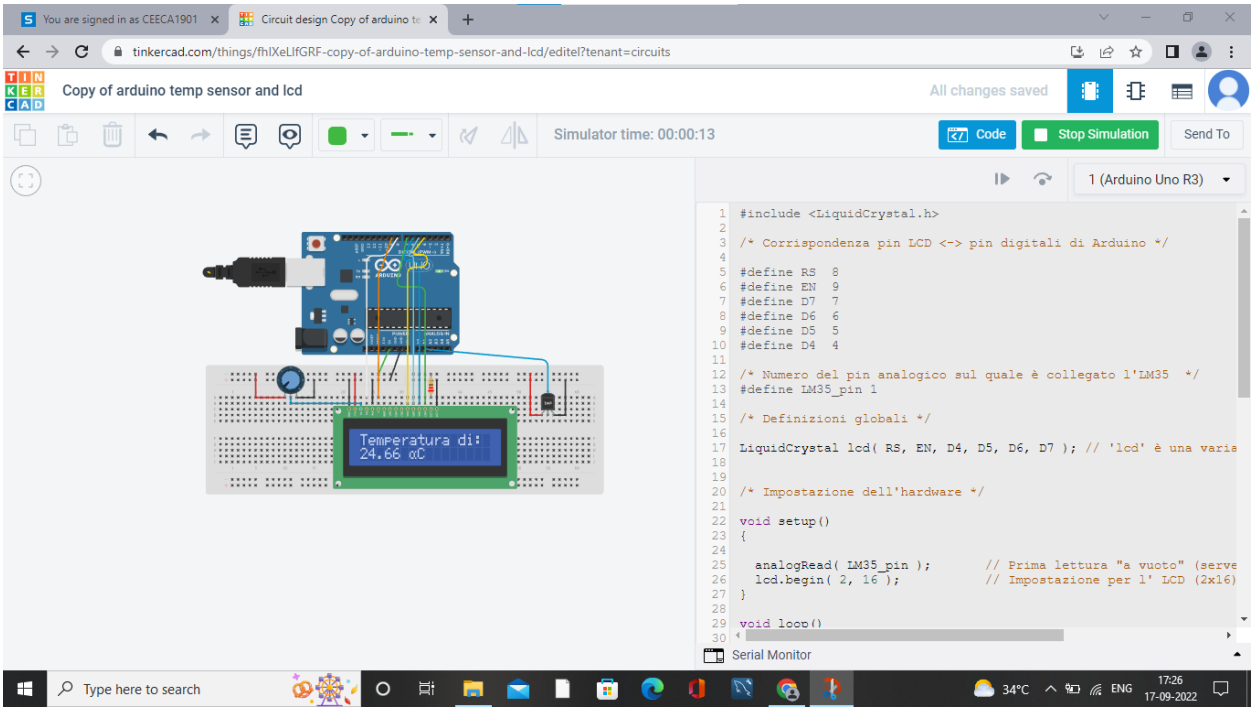


```
#include <LiquidCrystal.h>

#define RS  8

#define EN  9

#define D7  7

#define D6  6

#define D5  5

#define D4  4

#define LM35_pin 1

LiquidCrystal lcd( RS, EN, D4, D5, D6, D7 );

void setup()

{


 analogRead( LM35_pin );

 lcd.begin( 2, 16 );

}
```

```
void loop()
{
  float temp = readTemp();
  sendTempToLCD( temp );
}
float readTemp()
{
  float temp = 0.0;
  int val = 0;
  int nread = 5;
  float somma = 0.0;
  for (int i = 0; i < nread; i++)
  {
    val = analogRead( LM35_pin );
    temp = ((val*0.00488)-0.5) / 0.01;
    somma += temp;
  }
  return ( somma / nread );
}
void sendTempToLCD( float temp )
{
  lcd.clear();
  lcd.setCursor( 0, 0 );
  lcd.print( "Temperatura di: ");
  lcd.setCursor( 0, 1 );
  lcd.print( temp );
  lcd.print( ' ' );
  lcd.print( (char) 223 );
  lcd.print( 'C' );
```

```
  delay( 250 );
}
```