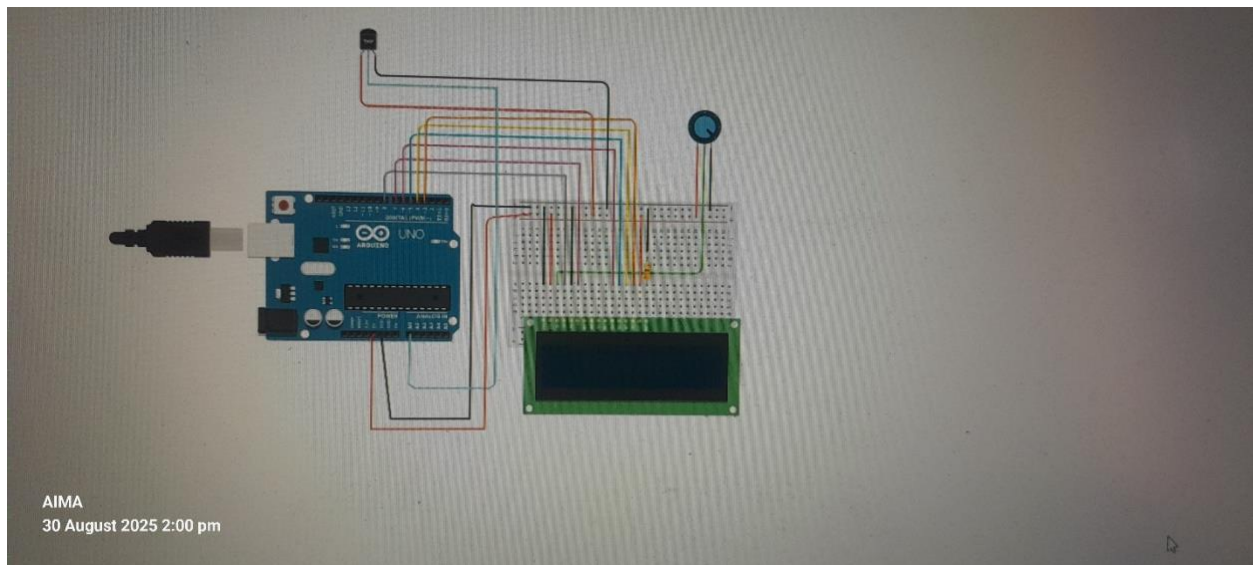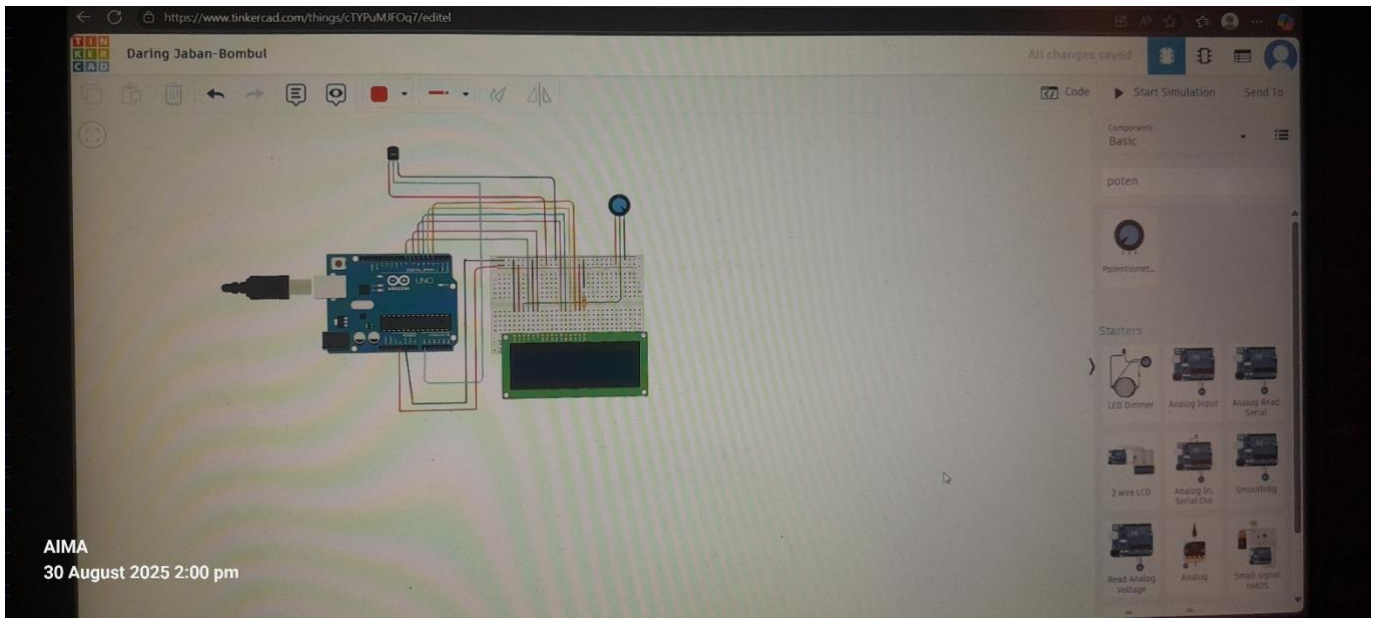# PUSH BUTTON COUNTER

OBJECTIVE

Use a temperature sensor to read and display temperature data on an LCD or serial monitor.

CIRCUIT DESIGN

CODE

```
#include "LiquidCrystal.h"

LiquidCrystal lcd(8,7,6,5,4,3);

Int sensorPin = 0;


Void setup()

{

  Serial.begin(9600);

  Lcd.begin(16,2);

}
```

```
Void loop()
{
    Int reading = analogRead(sensorPin);

    // measure the 5v with a meter for an accurate value
    // In particular if your Arduino is USB powered

    Float voltage = reading * 4.68;
    Voltage /= 1024.0;

    // now print out the temperature
    Float temperatureC = (voltage – 0.5) * 100;
    Serial.print(temperatureC);
    Serial.println(“ degrees C”);

    Lcd.setCursor(0,0);
    Lcd.print(“Temperature Value “);
    Lcd.setCursor(0,1);
    Lcd.print(“ degrees C”);
    Lcd.setCursor(11,1);
    Lcd.print(temperatureC);
```
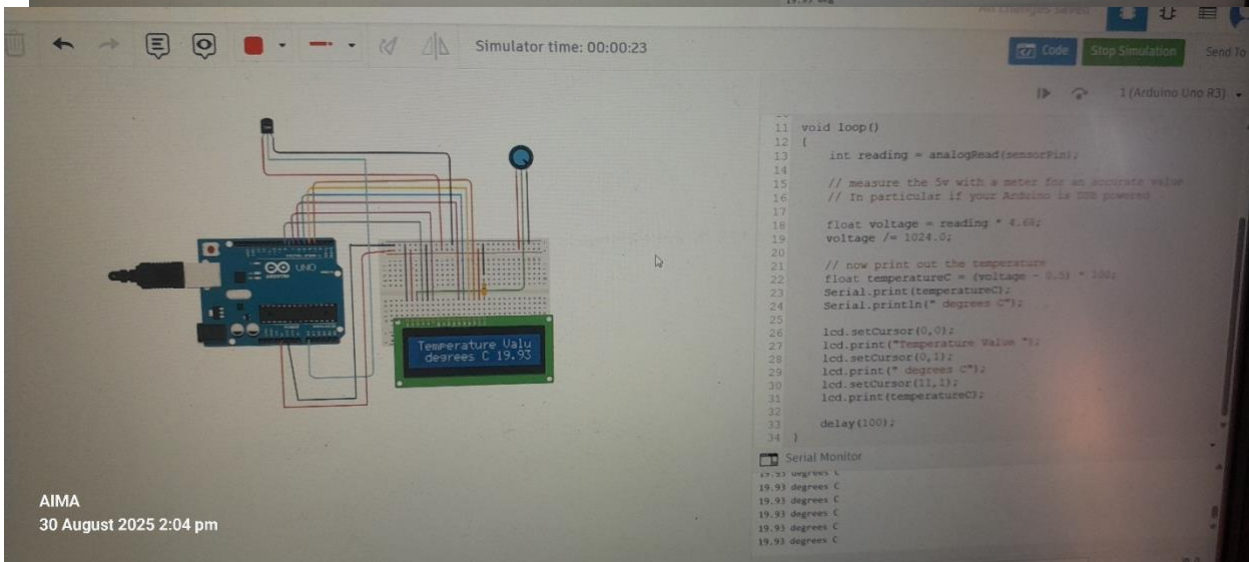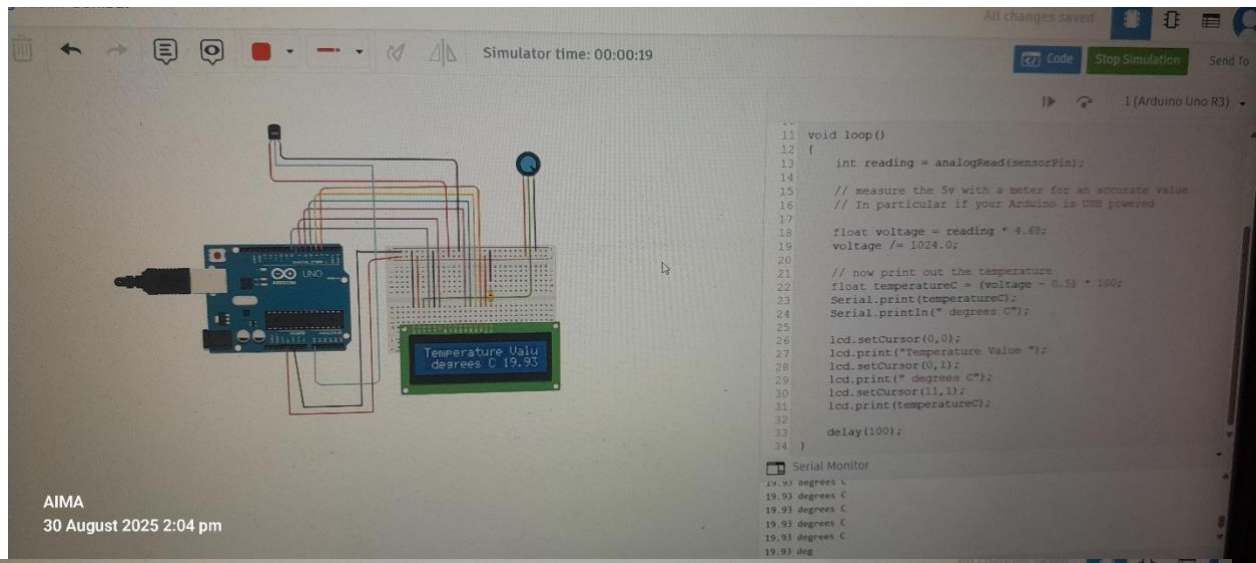
Delay(100);

}

OUTPUT

LINK

https://www.tinkercad.com/things/cTYPuMJFOq7-daring-jaban-bombul?sharecode=PlN56ClUXq7_eZSr2YfkRYNYFYSAGgy4GSQuCSf1US8