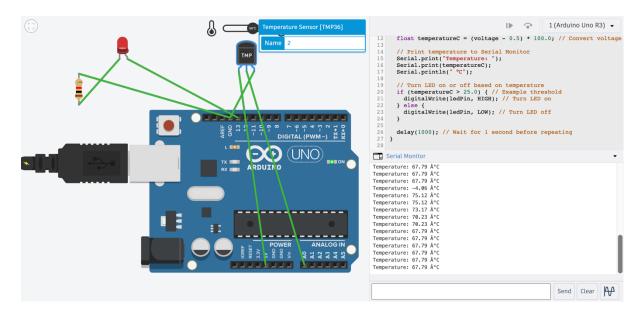
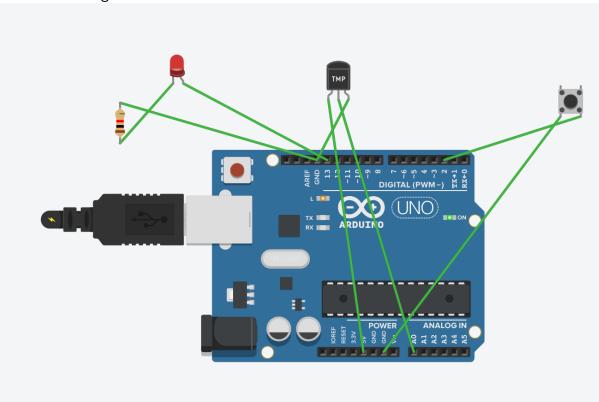
# SIT315 - Interrupt driven board

## Glthub module 2 folder link:

https://github.com/VivaanFernandes/315/tree/main/Module2(interrupt)



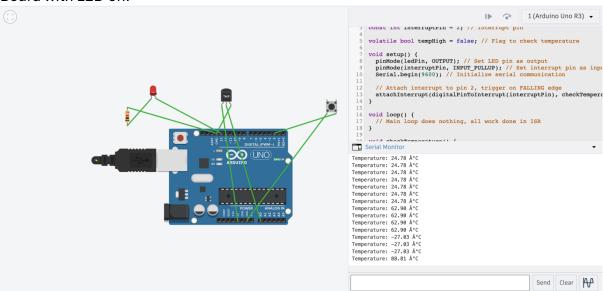
# Schematic Diagram:



#### Serial monitor:

```
1 (Arduino Uno R3) ▼
  5 const int interruptrin = 2; // interrupt pin
  5 volatile bool tempHigh = false; // Flag to check temperature
  7 void setup() {
  8
       pinMode(ledPin, OUTPUT); // Set LED pin as output
  9
       pinMode(interruptPin, INPUT_PULLUP); // Set interrupt pin as inpu
 10
       Serial.begin(9600); // Initialize serial communication
 11
 12
       // Attach interrupt to pin 2, trigger on FALLING edge
       attachInterrupt(digitalPinToInterrupt(interruptPin), checkTempera
 13
 14 }
 15
 16 void loop() {
     // Main loop does nothing, all work done in ISR
 17
 18 }
 19
 20 word aboatemomporature () (
" Serial Monitor
Temperature: 24.78 °C
Temperature: 62.90 °C
Temperature: 62.90 °C
Temperature: 62.90 °C
Temperature: 62.90 °C
Temperature: -27.03 °C
Temperature: -27.03 °C
Temperature: -27.03 °C
Temperature: 88.81 °C
                                                              Clear
                                                       Send
```

## Board with LED on:



## Board with LED off:

