Matlab Coursework2

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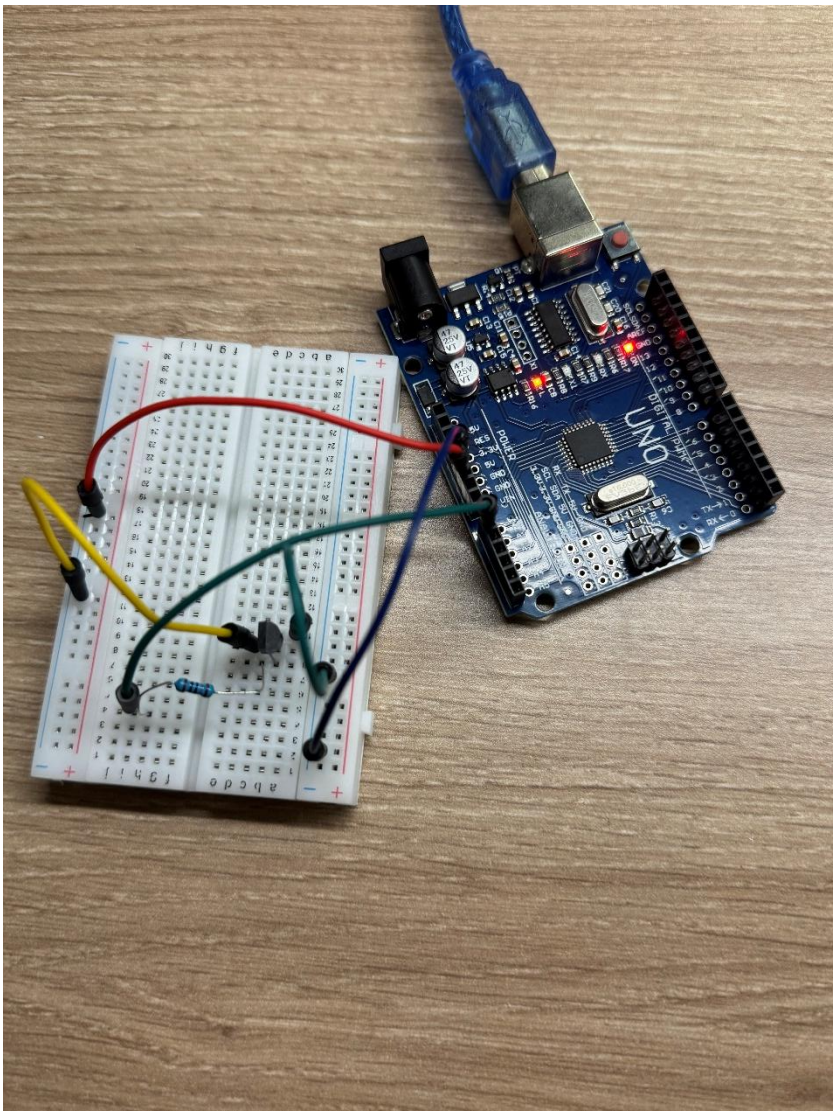
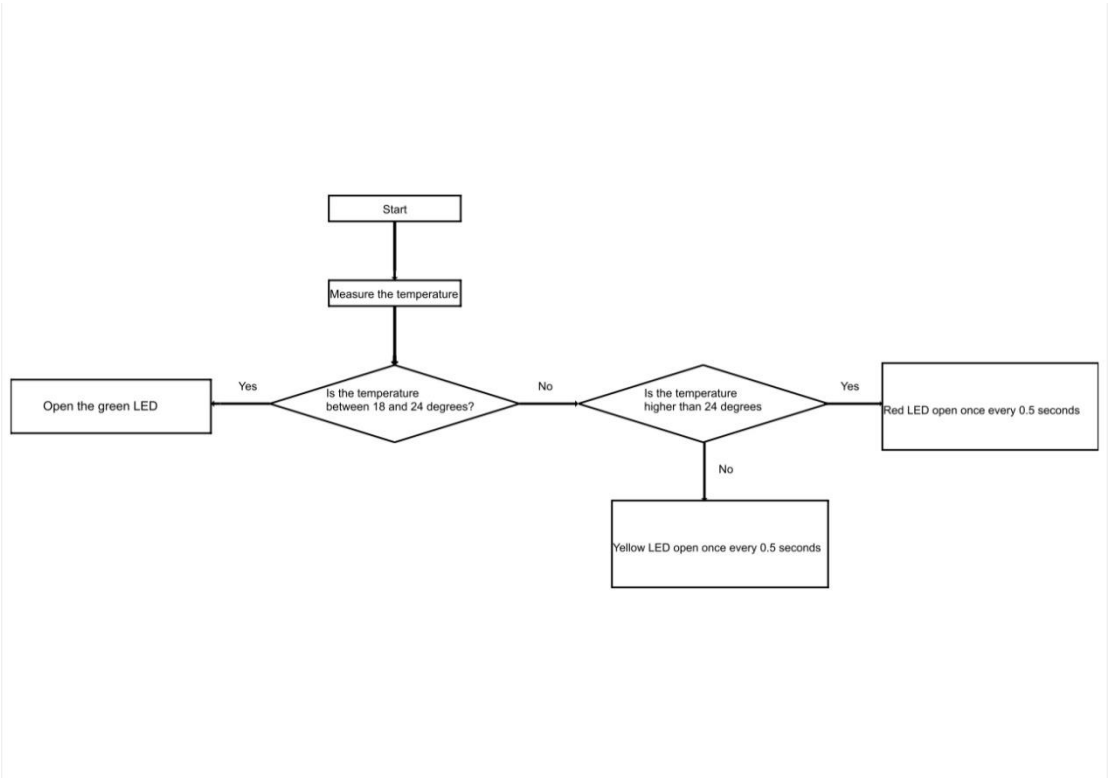
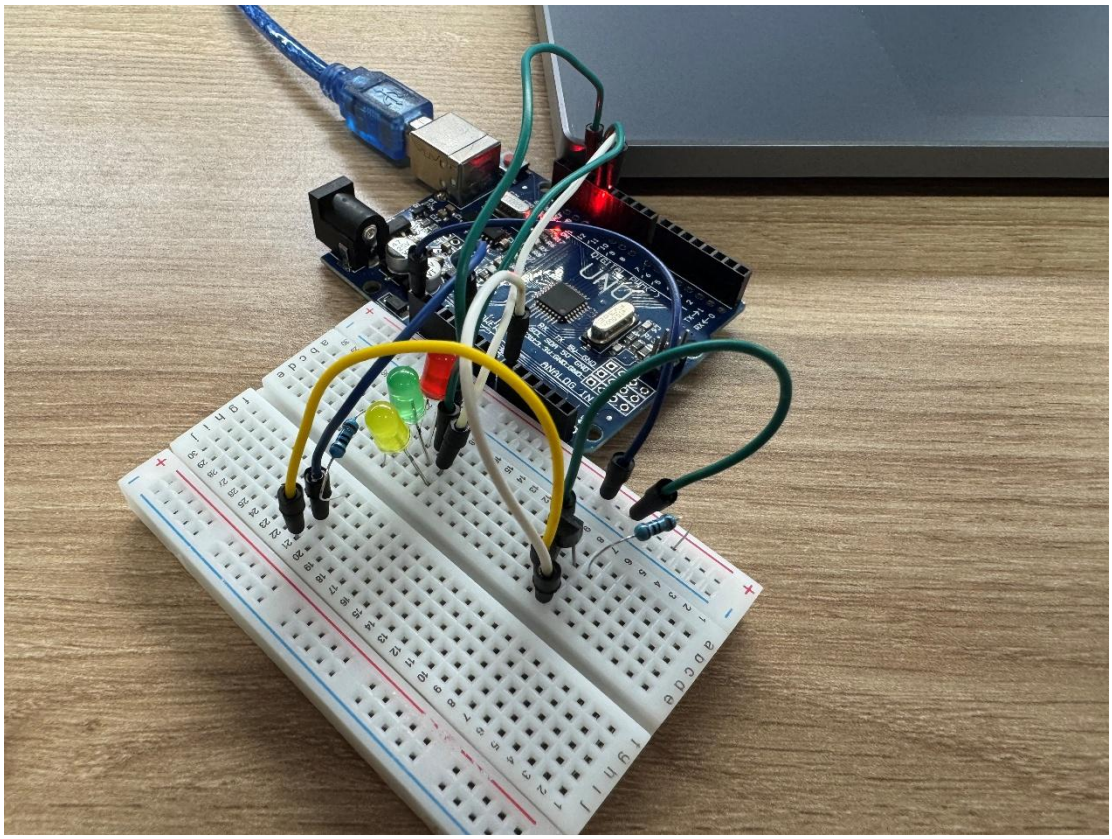
1. The circuit diagram of Task 1



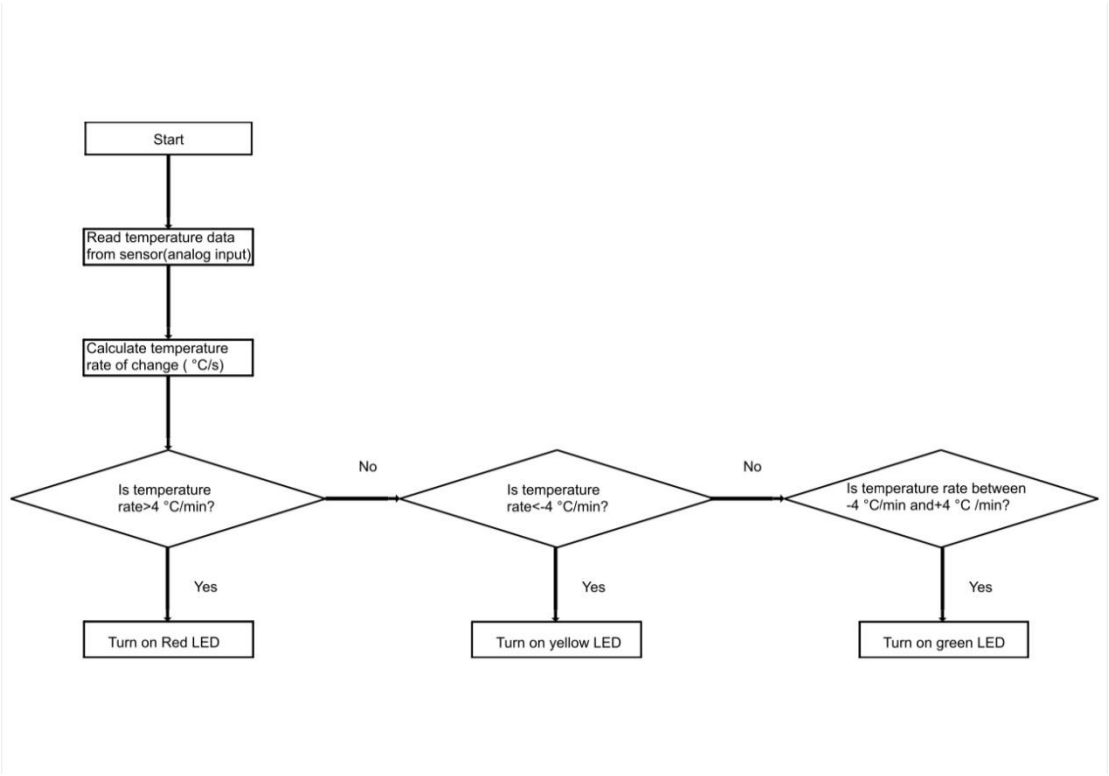
2. The flowchart of Task 1



3. The circuit diagram of Task 2



4. The flowchart of Task 3


Start
Read temperature data from sensor(analog input)
Calculate temperature rate of change (°C/s)
Is temperature rate>4 °C/min?
No
Is temperature rate<-4 °C/min?
No
Is temperature rate between -4 °C/min and+4 °C /min?
Yes
Yes
Yes
Turn on Red LED
Turn on yellow LED
Turn on green LED