IOT LAB1 REPORT

Conclusion

In the lab, our team have completed the following tasks: LED blinking, breathing LED, active buzzle, RGB LED, analog input.

The code is mainly composed of two methods: the "setup" method and the "loop" method.

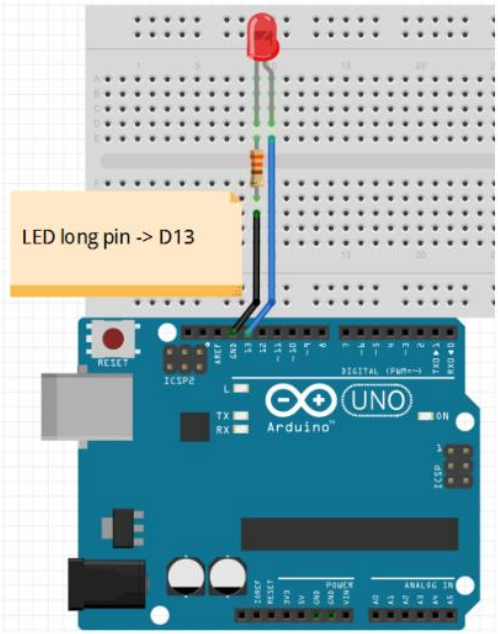
By building the circuit on the mini bread and connecting UNO R3 with the corresponding port via jumper wires, we can upload the code to UNO R3 and mini bread.

Diagrams

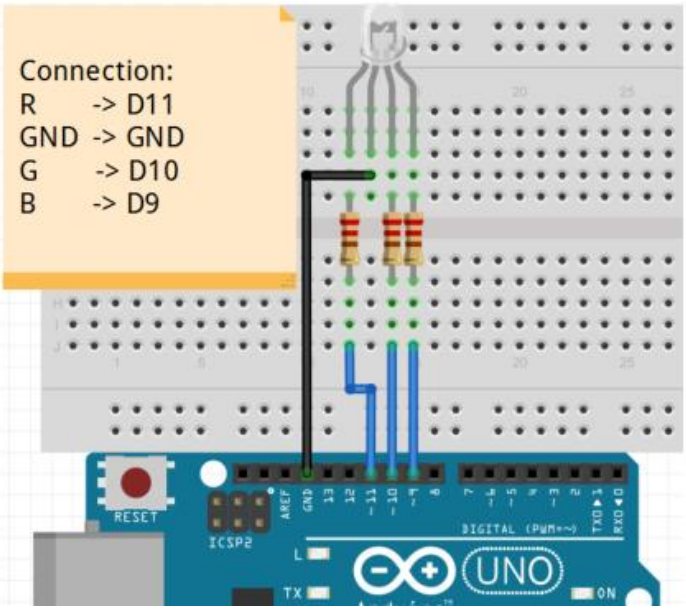
Most of our works are according to the PDF files given. The diagrams are already in the files.

LED Blink & Break blink & Led Breathing

Connection diagram

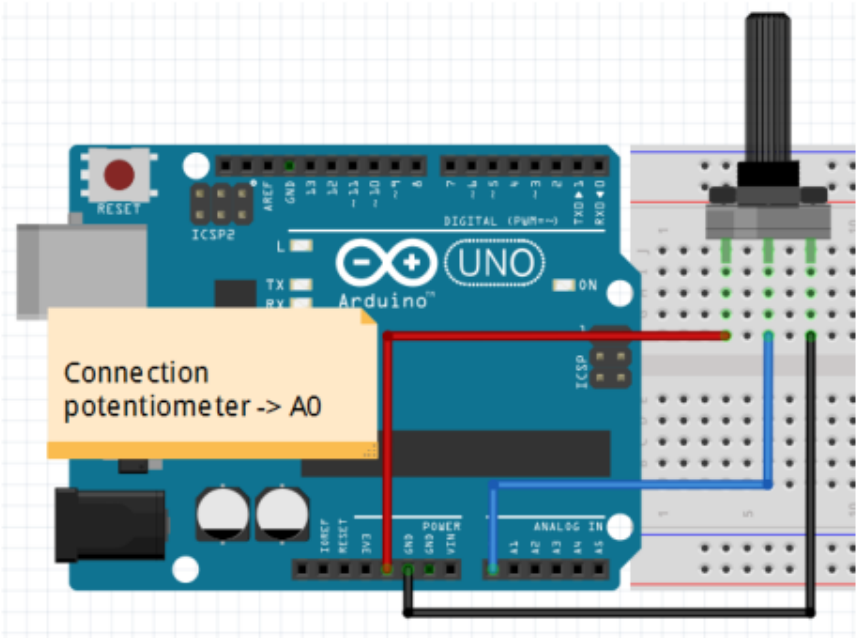


LED RGB



Analog Input

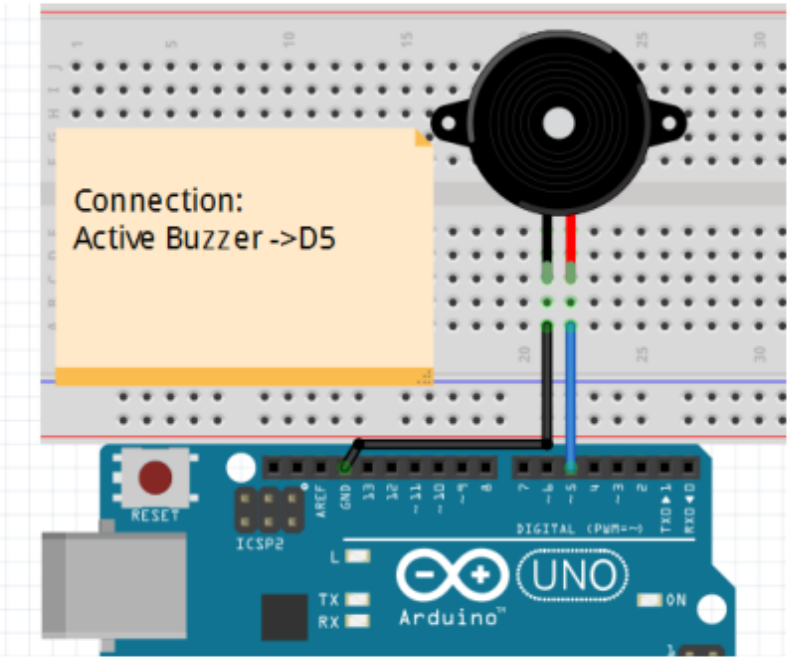
Connection diagram



Note: The middle pin of the potentiometer is connected to the analog port 0(A0).

Buzzer

Connection diagram



Note : The longest active buzzer of the pin is connected to the digital signal port 5 (D5).

Button