Practical 4 Conclusion

➢ In conclusion, these experiments helped us learn a lot about using Arduino boards and sensors.

1. We learned how to control the brightness of an LED using a potentiometer. This means we can adjust how bright the LED shines by turning a knob. We also saw the voltage level changing on the serial monitor as we adjusted the brightness.

2. Next, we measured the temperature of the room using a sensor. This was cool because we could see the exact temperature on the serial monitor. It's like having a digital thermometer!

3. Lastly, we combined the temperature sensor with an RGB LED. Depending on the temperature, the LED changed colors: red for hot, green for warm, and blue for cold. This showed how we can use sensors to trigger different actions.

Overall, these experiments were fun and taught us how to use Arduino for practical things like controlling lights and monitoring temperature. We can now use this knowledge to create even more exciting projects in the future!