In these experiments, we learned how to use an Arduino board to control electronic components like LEDs and read data from sensors.

In the first experiment, we learned how to make a light brighter or dimmer using a knob(potentiometer) and saw the voltage change on the computer screen. It’s like turning up or down the volume on a radio!

Next, we checked out the temperature around us in the second experiment. Using a special sensor, we could see how hot or cold it was, just like a digital thermometer. This showed us how to use sensors with Arduino to measure things in the real world.

In our final experiment, we got creative! We connected the temperature sensor to a colorful LED light. Depanding on how warm or chilly it was, the light changed color-red for hot, green for normal and blue for cold. It’s like having a mood ring for the room!