Prac 5 Conclusion

In this practical experiment:

➢ 1. We used an IR sensor and remote control to change the colors of an RGB LED. Think of it like using a TV remote to change channels, but instead, we're changing colors on the LED.

➢ 2. We used an ultrasonic sensor to measure distances. It sends out sound waves, which bounce back from obstacles, and by timing how long it takes for the sound to return, we can figure out how far away things are. We displayed these distances on our computer screen.

➢ 3. We also made the LED light up when something gets too close (within 100 cm). It's like having a warning light that turns on when something comes too near, like a parking sensor in a car.

➢ In simple terms, we learned how to control things with sensors: changing colors with a remote, measuring distances, and making a warning light. These are the basics of how many electronic devices and systems work!.