

HOT OR COLD REFLECTION LOG

```
import com.phidget22.*;

public class HotOrCold {

    public static void main(String[] args) throws Exception{

        TemperatureSensor tempSensor = new TemperatureSensor();

        DigitalOutput redLED = new DigitalOutput();
        DigitalOutput greenLED = new DigitalOutput();

        redLED.setHubPort(1);
        redLED.setIsHubPortDevice(true);
        greenLED.setHubPort(4);
        greenLED.setIsHubPortDevice(true);

        tempSensor.open(1000);
        redLED.open(1000);
        greenLED.open(1000);

        while (true) {

            System.out.println("The temperature is: " + tempSensor.getTemperature() + "°C");
            Thread.sleep(350);

            if (24 < tempSensor.getTemperature() || 20 > tempSensor.getTemperature() ) {
                greenLED.setState(true);
                redLED.setState(false);
            }

            else {
                redLED.setState(true);
                greenLED.setState(false);
            }

        }

    }

}
```

I have copied and pasted some code from the past lessons to import and create objects that allow for the interaction between the code and the LED. I created a while statement that prints the temperature by using `getTemperature()`. Then I created an if statement checking if the temperature is less than 24 degrees Celsius and greater than 20. If it is, then the green LED will glow, and if this statement isn't met, then the code will run the else statement and the red LED will glow.