











#### **Resistor Color Codes** example: 470 Ω ±5% • 1<sup>st</sup> two digits are values • 3<sup>rd</sup> digit is multiplier 1<sup>st</sup>digit 2<sup>nd</sup>digit tolerance multip • 4<sup>th</sup> digit is tolerance • 200 to 500 $\Omega$ gives good light out of LED 10 k • We will use 330 Ω, or 100 | orange-orange-brown 1 M <mark>33</mark> x 10<sup>1</sup>Ω 10 M

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# What Inputs Can You Think Of?

- KeyboardMouse
  - 2
- Webcam
- Temperature
- Microphone
- USB
- Internet
- External memory
- Power

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- Emergency stop button
- Proximity detector
- Motion detector

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### Back to Java Timing

• The Thread.sleep() method can throw the "InterruptedException," so we enclose it in a try/catch block

```
for (int i=0; i < endTime; i++) {
    try {
        Thread.sleep(1000);
    } catch (InterruptedException e) {
            // default action
            e.printStackTrace();
    }
    System.output.println(i + " seconds have elapsed");
}</pre>
```

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## Logistics

- Assignment 1 is due Jan 27
  - Demos only available in first 15 minutes of lab
  - Don't assume lab time available to complete it!!!!
  - Quiz 1B is also due Jan 27 (in the evening is OK)
  - Yes, the logic puzzles are puzzles! Minor points off for not getting them all right
- Module 2 is up now
  - Studio 2 is Monday Jan 27
    - Prep material is posted on webpage
    - Get signed out by a TA in studio
  - Assignment 2 is due Monday Feb 3