Lab 7. Sensor_Buzzer

Arduino - Ultrasonic Sensor - Piezo Buzzer

We are going to learn how to:

- If the object is close to ultrasonic sensor, make sound
- If the object is far from ultrasonic sensor, stop making sound
- If the object is close to ultrasonic sensor, make melody of song

Hardware Required

1 × **Arduino UNO or Genuino UNO** ⤷ **(https://www.amazon.com/gp/product/B008GRTSV6/ref=as_li_tl?ie=UTF8&tag=zlufy-20&camp=1789&creative=9325&linkCode=as2&creativeASIN=B008GRTSV6&linkId=0d436674d8dc77c1**

1 × **USB 2.0 cable type A/B** ⤷ **(https://www.amazon.com/gp/product/B00NH11KIK/ref=as_li_tl?ie=UTF8&camp=1789&creative=9325&creativeASIN=B00NH11KIK&linkCode=as2&tag=zlufy-20&linkId=467db2d10f9c094201b6a552ad540c63)**

1 × **Ultrasonic Sensor** ⤷ **(https://amzn.to/2u1oOAu)**

1 × **Piezo Buzzer** ⤷ **(https://amzn.to/2t8BYLE)**

1 × **Breadboard** ⤷ **(https://www.amazon.com/gp/product/B07LFD4LT6/ref=as_li_tl?ie=UTF8&camp=1789&creative=9325&creativeASIN=B07LFD4LT6&linkCode=as2&tag=zlufy-20&linkId=291070496158c51d7cc12a4fd0b3c137)**

n × **Jumper Wires** ⤷ **(https://amzn.to/2ZjP2Kj)**

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Schematic:

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