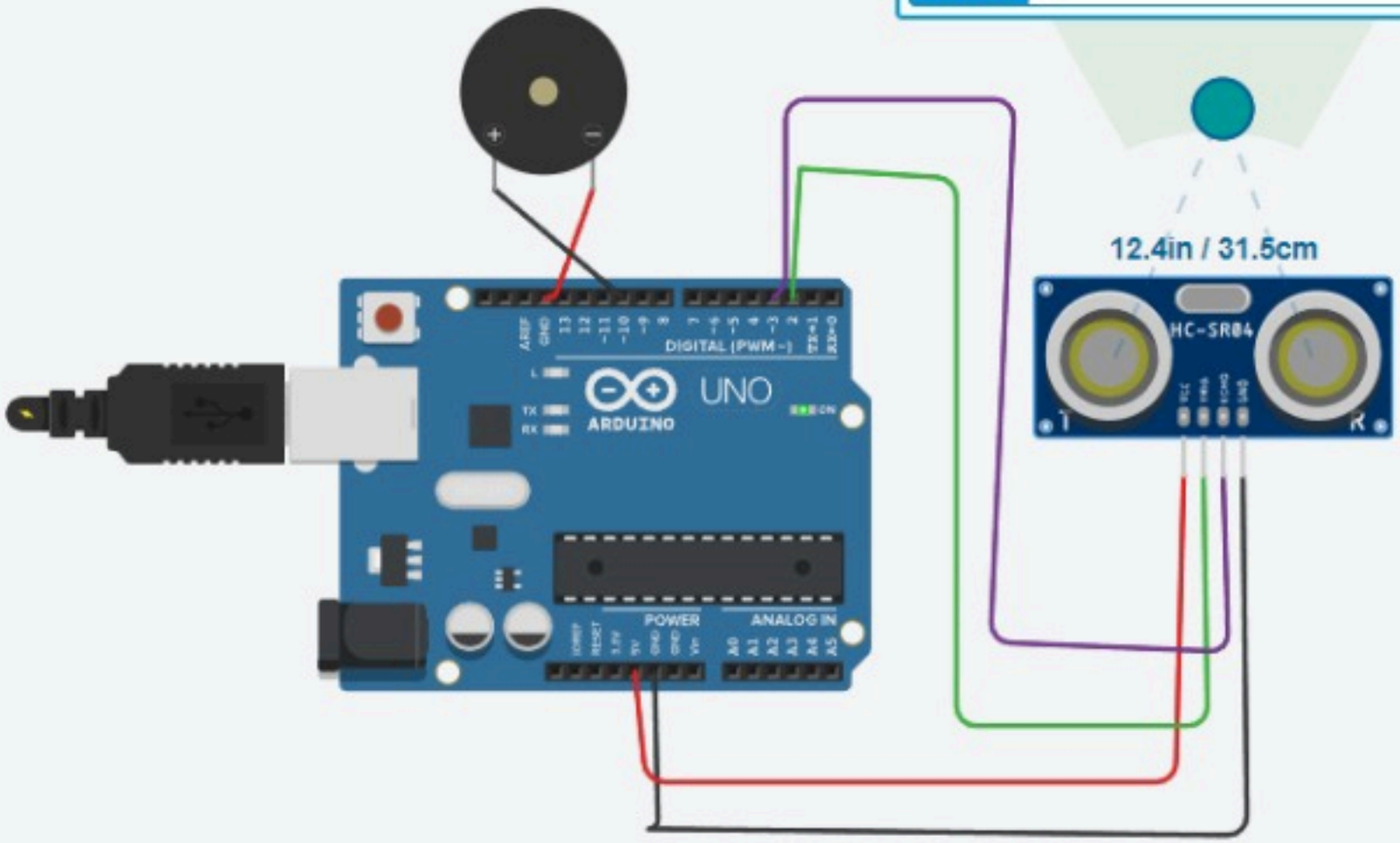
Dazzling Jofo-Jarv

Simulator time: 00:00:04



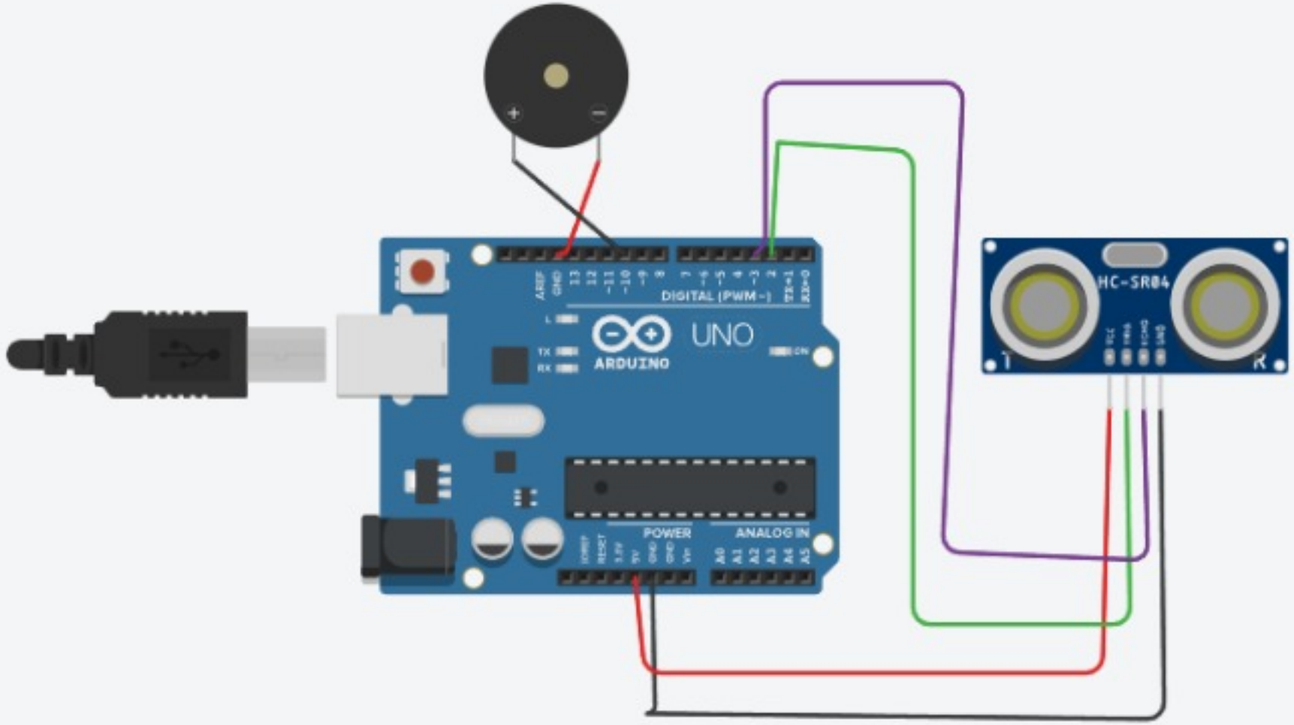

```
Door O
Distan
Door O
Distan
Door O
Distan
Door C
Distan
```

Tinkercad - Circuit design Dazzling Jofo-Jarv | Tinkercad

Dazzling Jofo-Jarv

All changes saved

Code | Start Simulation | Send To



Text | 1 (Arduino Uno R3)

```
int trigger_pin = 2;
int echo_pin = 3;
int buzzer_pin = 10;
int time;
int distance;
void setup(){
  Serial.begin(9600);
  pinMode(trigger_pin,OUTPUT);
  pinMode(echo_pin,INPUT);
  pinMode(buzzer_pin,OUTPUT);
}
void loop()
{
  digitalWrite(trigger_pin,HIGH);
  delayMicroseconds(10);
  digitalWrite(trigger_pin,LOW);
  time = pulseIn(echo_pin,HIGH);
  distance = (time * 0.034)/2;
  if(distance <= 10){
       Serial.println("Door Open");
       Serial.print("Distance= ");
       Serial.println(distance);
       digitalWrite(buzzer_pin,HIGH);
       delay(500);
       }
  else{
       Serial.println("Door Closed");
       Serial.print("Distance= ");
       Serial.println(distance);
       digitalWrite(buzzer_pin,LOW);
       delay(500);
}
}
```

Serial Monitor

Type here to search

32°C Partly sunny ENG 07:27 12-09-2022

Tinkercad - Circuit design Dazzling Jofo-Jarv | Tinkercad

Dazzling Jofo-Jarv

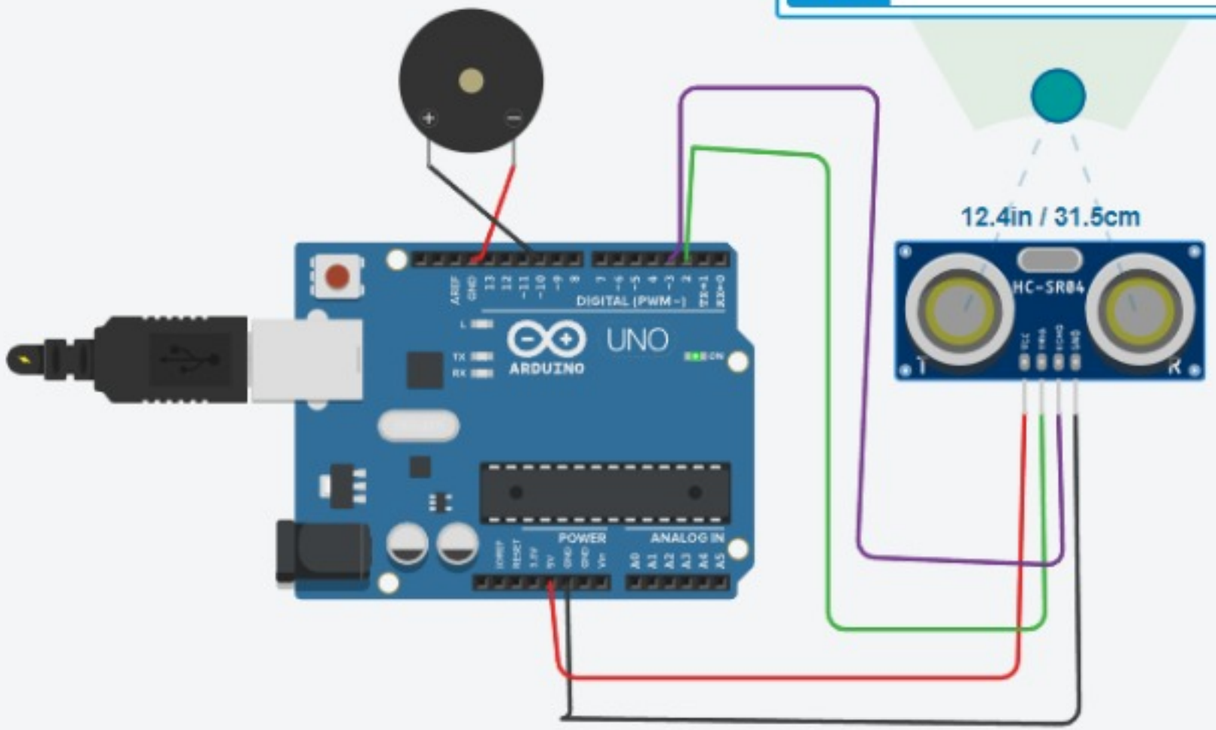
All changes saved

Simulator time: 00:00:04

Code | Stop Simulation | Send To

Ultrasonic Distance Sensor

Name 1



1 (Arduino Uno R3)

```
int trigger_pin = 2;
int echo_pin = 3;
int buzzer_pin = 10;
int time;
int distance;
void setup(){
  Serial.begin(9600);
  pinMode(trigger_pin,OUTPUT);
  pinMode(echo_pin,INPUT);
  pinMode(buzzer_pin,OUTPUT);
}
void loop()
{
  digitalWrite(trigger_pin,HIGH);
  delayMicroseconds(10);
  digitalWrite(trigger_pin,LOW);
  time = pulseIn(echo_pin,HIGH);
  distance = (time * 0.034)/2;
  if(distance <= 10){
       Serial.println("Door Open");
       Serial.print("Distance= ");
       Serial.println(distance);
```

Serial Monitor

```
Door Open
Distance= 6
Door Open
Distance= 6
Door Open
Distance= 6
Door Closed
Distance= 332
```

Send | Clear

Type here to search

32°C Partly sunny ENG 07:27 12-09-2022