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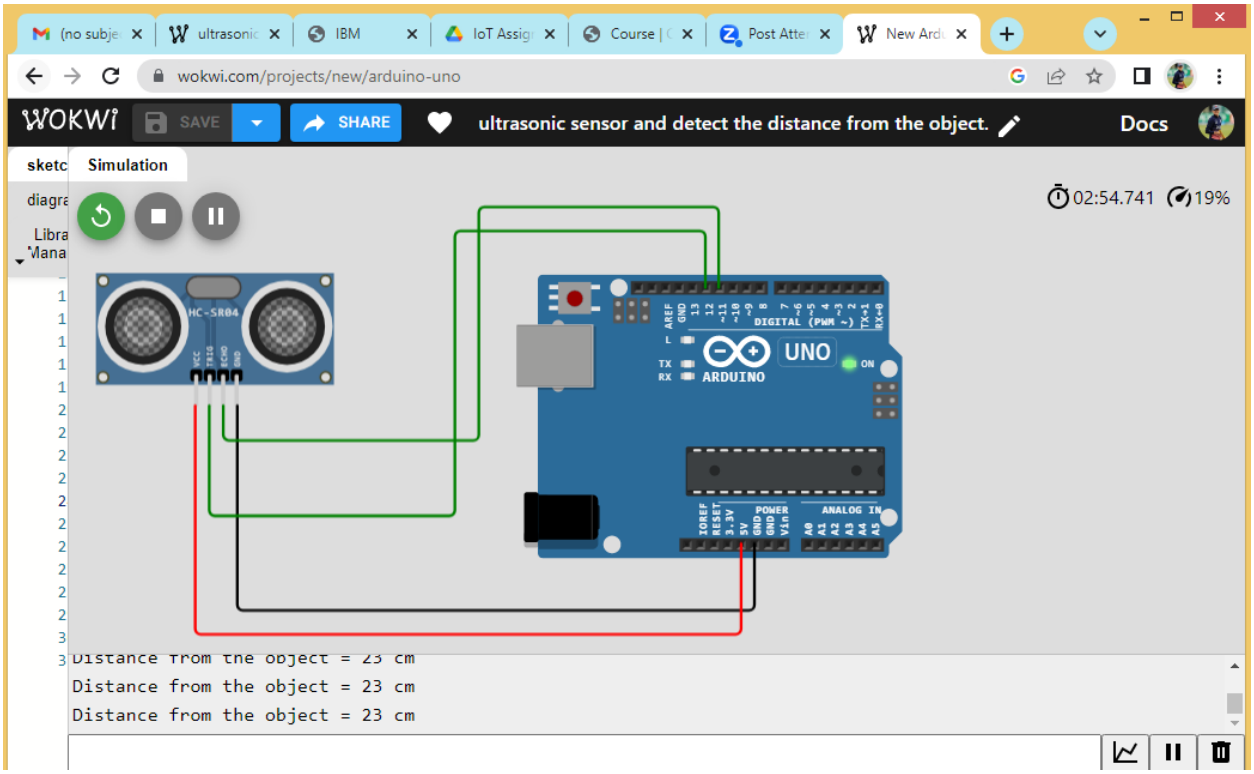
https://wokwi.com/projects/364312239351635969

```
// defines arduino pins numbers
const int trigPin = 12;
const int echoPin = 11;
// defines variables
long duration;
int distance;
void setup()
{
pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin, INPUT); // Sets the echoPin as an Input
Serial.begin(9600); // Starts the serial communication
}
void loop() {
// Clears the trigPin
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
// Sets the trigPin on HIGH state for 10 micro seconds
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
// Reads the echoPin, returns the sound wave travel time in microseconds
duration = pulseIn(echoPin, HIGH);
// Calculating the distance
distance= duration*0.002/2;
// Prints the distance on the Serial Monitor
Serial.print("Distance from the object = ");
Serial.print(distance);
Serial.println(" cm");
delay(1000);
}
```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SAVE
SHARE
ultrasonic sensor and detect the distance from the object.
Docs
Simulation
02:54.741
19%
HC-SR04
UNO
ARDUINO
Distance from the object = 23 cm
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