```
/*
 *
 Inspired by:
 HC-SR04 example sketch
 *
 *
https://create.arduino.cc/projecthub/Isaac100/getting-started-with-the-hc-sr04-ultrasonic-sensor-036380
 *
 * by Isaac100
 */

int trigPin = 3;
int echoPin = 2;

float duration, distance; //float allows these variables to hold a decimal number

void setup() {
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
  Serial.begin(9600);
}

void loop() {
  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);

  duration = pulseIn(echoPin, HIGH);//creates a variable called duration
  distance = (duration*.0343)/2; //creates a variable called distance based on calculation
  Serial.print("Distance: "); //using tinkercad?  click the Serial Monitor button below code to see distance values
  Serial.println(distance);
  delay(100);

}
```