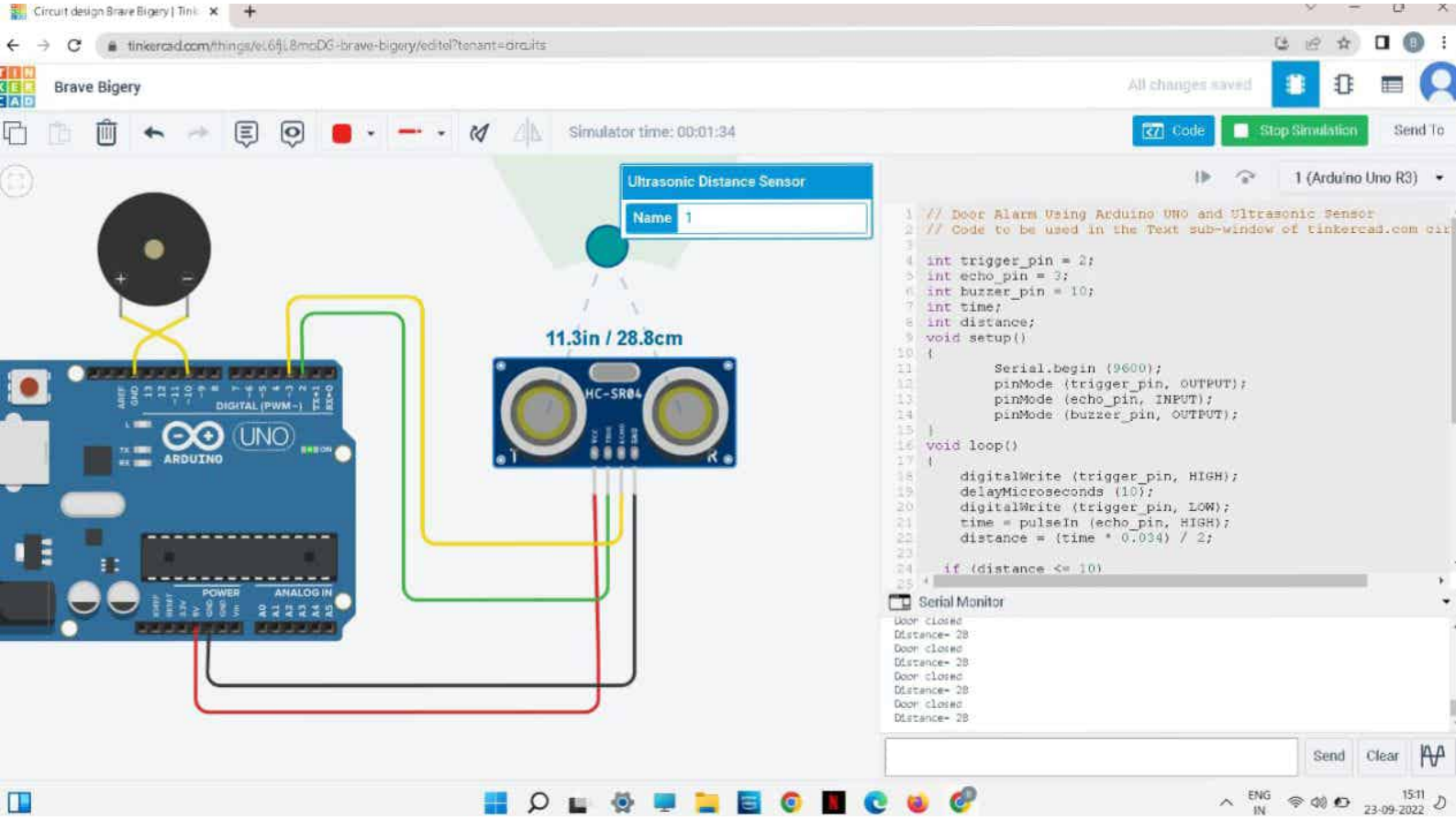
Circuit design Brave Bigery | Tinkercad
tinkercad.com/things/eL6fjL8moDG-brave-bigery/editel?tenant=circuits
Brave Bigery
All changes saved
Simulator time: 00:01:34
Code
Stop Simulation
Send To
Ultrasonic Distance Sensor
Name 1
11.3in / 28.8cm
HC-SR04
1 (Arduino Uno R3)
// Door Alarm Using Arduino UNO and Ultrasonic Sensor
// Code to be used in the Text sub-window of tinkercad.com cir
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 Monitor
Door closed
Distance= 28
Door closed
Distance= 28
Door closed
Distance= 28
Door closed
Distance= 28
Send
Clear
ENG
IN
15:11
23-09-2022