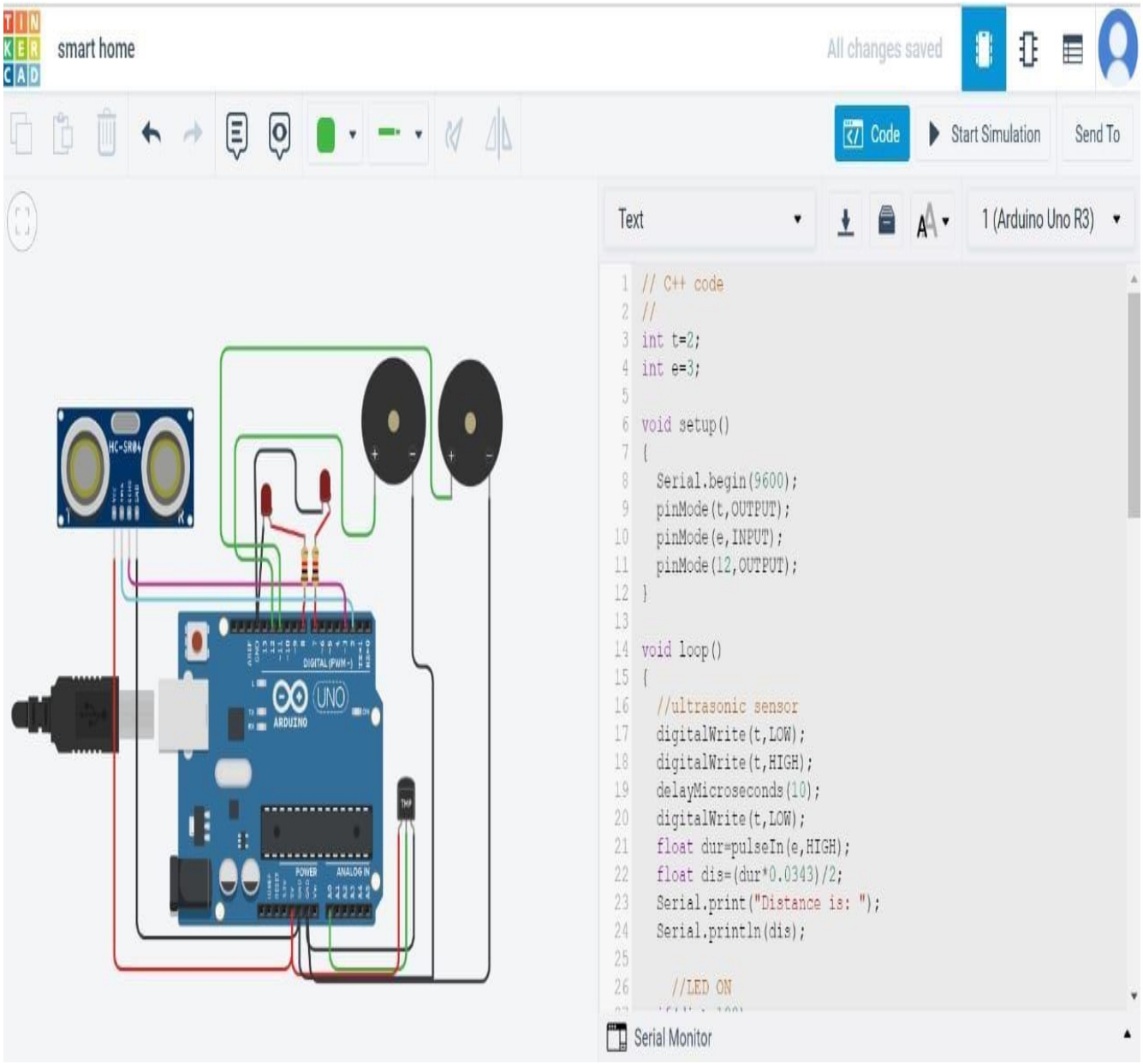
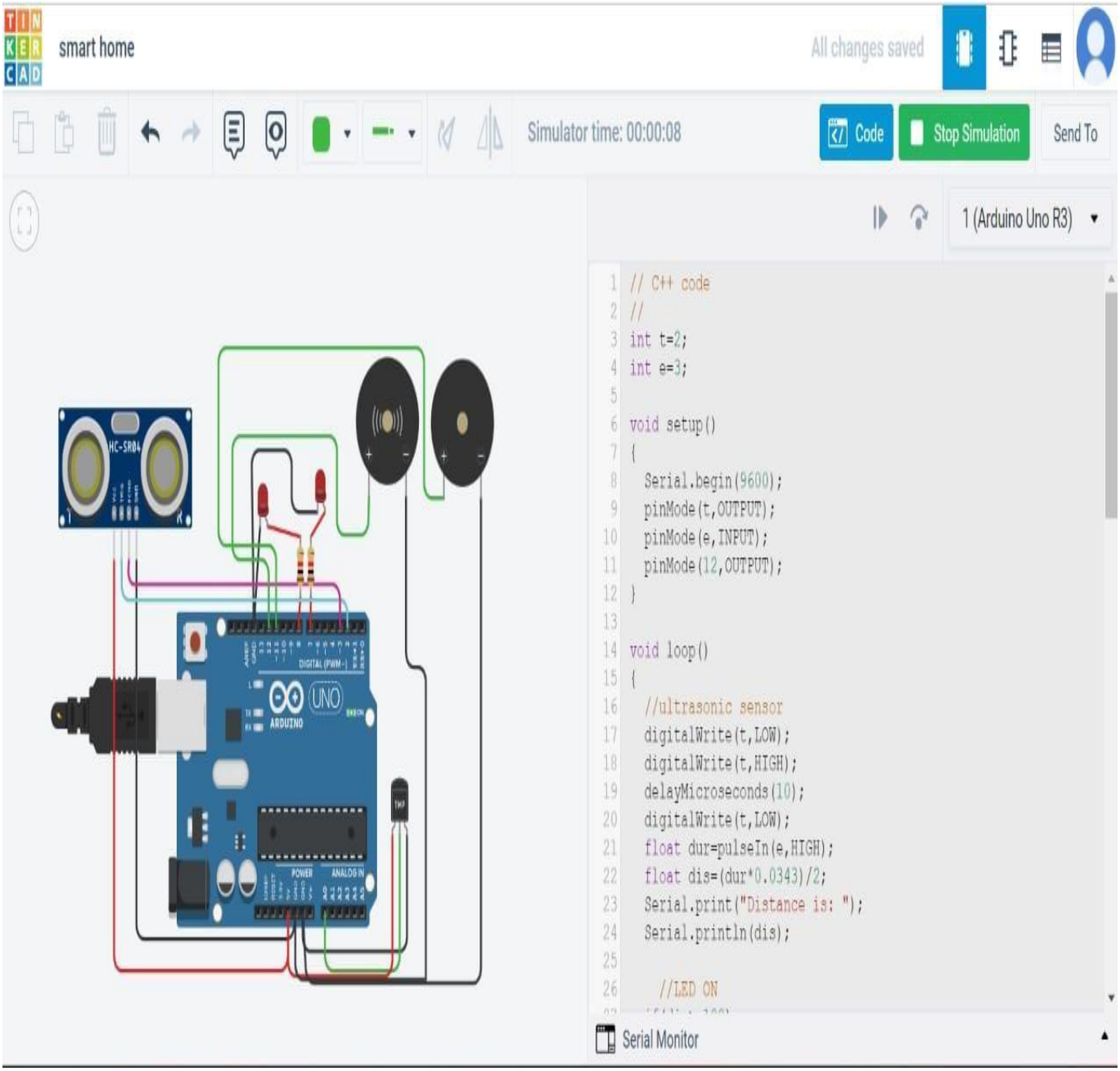



```
int t=2;
int e=3;

void setup()
{
  Serial.begin(9600);
pinMode(t,OUTPUT);
pinMode(e,INPUT);
  pinMode(12,OUTPUT);
}

void loop()
{
```

```
 //ultrasonic sensor
digitalWrite(t,LOW);
digitalWrite(t,HIGH);
delayMicroseconds(10);
digitalWrite(t,LOW);   float
dur=pulseIn(e,HIGH);   float
dis=(dur*0.0343)/2;
Serial.print("Distance is: ");
 Serial.println(dis);

   //LED ON
if(dis>=100)
 {
   digitalWrite(8,HIGH);
digitalWrite(7,HIGH);
 }

 //Buzzer For ultrasonic Sensor
 if(dis>=100)
 {
 for(int i=0; i<=30000; i=i+10)
 {
 tone(12,i);
delay(1000);
noTone(12);
 delay(1000);
 }
 }




   //Temperate Sensor   double a=
analogRead(A0);   double
t=(((a/1024)*5)-0.5)*100;
 Serial.print("Temp Value: ");
Serial.println(t);   delay(1000);


 //LED ON
if(t>=100)
 {
   digitalWrite(8,HIGH);
digitalWrite(7,HIGH);
 }

 //Buzzer for Temperature Sensor
if(t>=100)
 {
```

```
 for(int i=0; i<=30000; i=i+10)
 {
 tone(12,i);
 delay(1000);
noTone(12);   delay(1000);
 }
 }

  //LED OFF
if(t<100)
 {
          digitalWrite(8,LOW);
         digitalWrite(7,LOW);
 }
}
```



Tinkercad link:

https://www.tinkercad.com/things/0rayC9zuIdP-smart-home/editel