

tinkercad - Yahoo India Search R... x Circuit design Mighty Snaget | T... x Tinkercad - You're Offline x Re: Cognizant | Assessment Test x +

tinkercad.com/things/3uSQ19s3bVB-mighty-snaget/editel?tenant=circuits

Gmail YouTube

TINKERCAD Mighty Snaget All changes saved

Code Start Simulation Send To

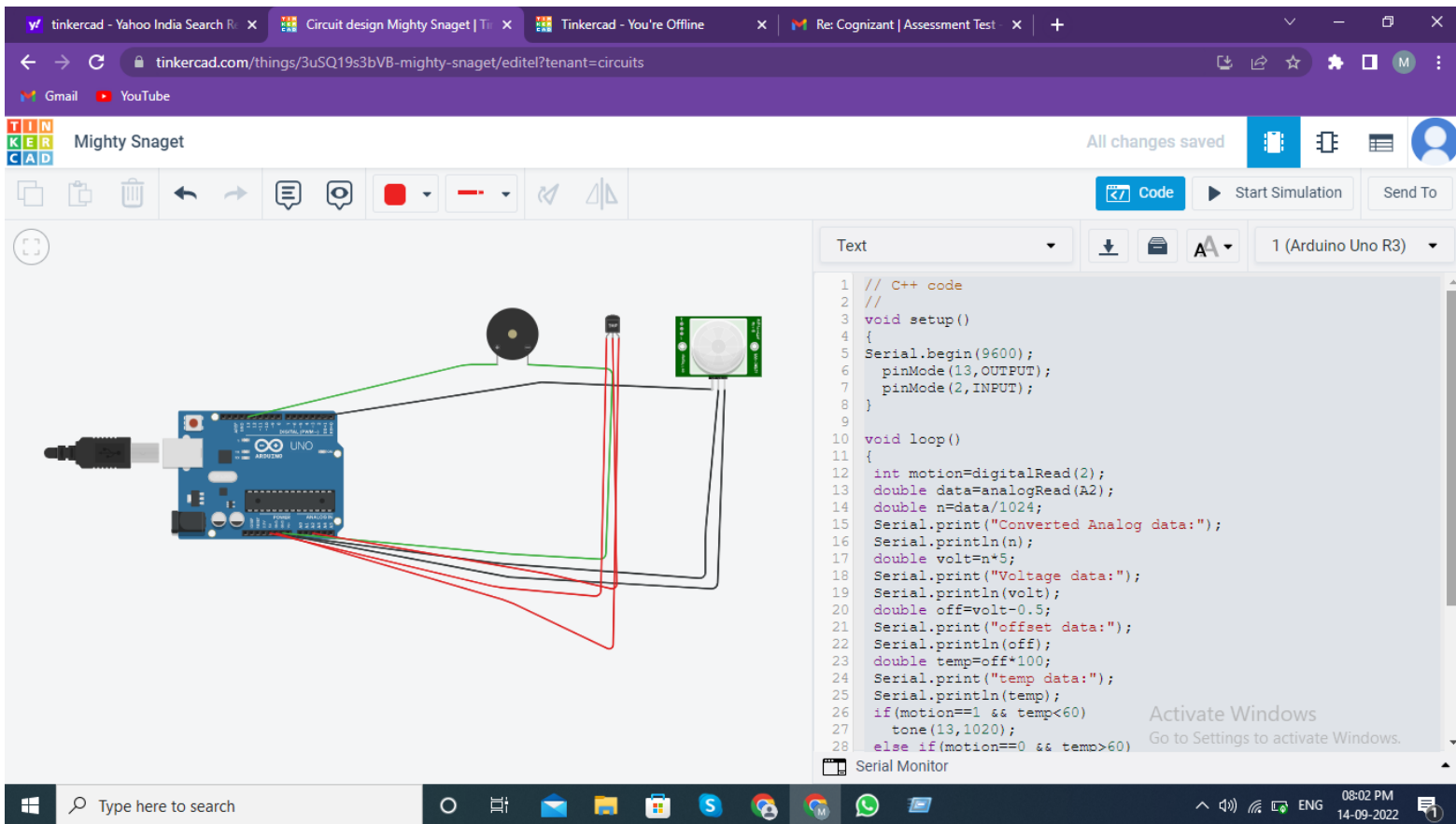
Text 1 (Arduino Uno R3)

```
1 // C++ code
2 //
3 void setup()
4 {
5   Serial.begin(9600);
6   pinMode(13,OUTPUT);
7   pinMode(2,INPUT);
8 }
9
10 void loop()
11 {
12   int motion=digitalRead(2);
13   double data=analogRead(A2);
14   double n=data/1024;
15   Serial.print("Converted Analog data:");
16   Serial.println(n);
17   double volt=n*5;
18   Serial.print("Voltage data:");
19   Serial.println(volt);
20   double off=volt-0.5;
21   Serial.print("offset data:");
22   Serial.println(off);
23   double temp=off*100;
24   Serial.print("temp data:");
25   Serial.println(temp);
26   if(motion==1 && temp<60)
27     tone(13,1020);
28   else if(motion==0 && temp>60)
```

Activate Windows
Go to Settings to activate Windows.

Serial Monitor

08:02 PM
14-09-2022



Windows taskbar showing search bar, taskbar icons (File Explorer, Mail, Calendar, Teams, Chrome, Edge, WhatsApp), system tray (network, volume, ENG, 08:01 PM, 14-09-2022).

```
// C++ code
//
void setup()
{
  Serial.begin(9600);
  pinMode(13,OUTPUT);
  pinMode(2,INPUT);
}

void loop()
{
  int motion=digitalRead(2);
  double data=analogRead(A2);
  double n=data/1024;
  Serial.print("Converted Analog data:");
  Serial.println(n);
  double volt=n*5;
  Serial.print("Voltage data:");
  Serial.println(volt);
  double off=volt-0.5;
  Serial.print("offset data:");
  Serial.println(off);
  double temp=off*100;
  Serial.print("temp data:");
  Serial.println(temp);
  if(motion==1 && temp<60)
    tone(13,1020);
  else if(motion==0 && temp>60)
```

```
tone(13,1500);  
else if(motion==1 && temp>60)  
tone(13,1700);  
else if(motion==0 && temp<60)  
noTone(13);  
  
}
```