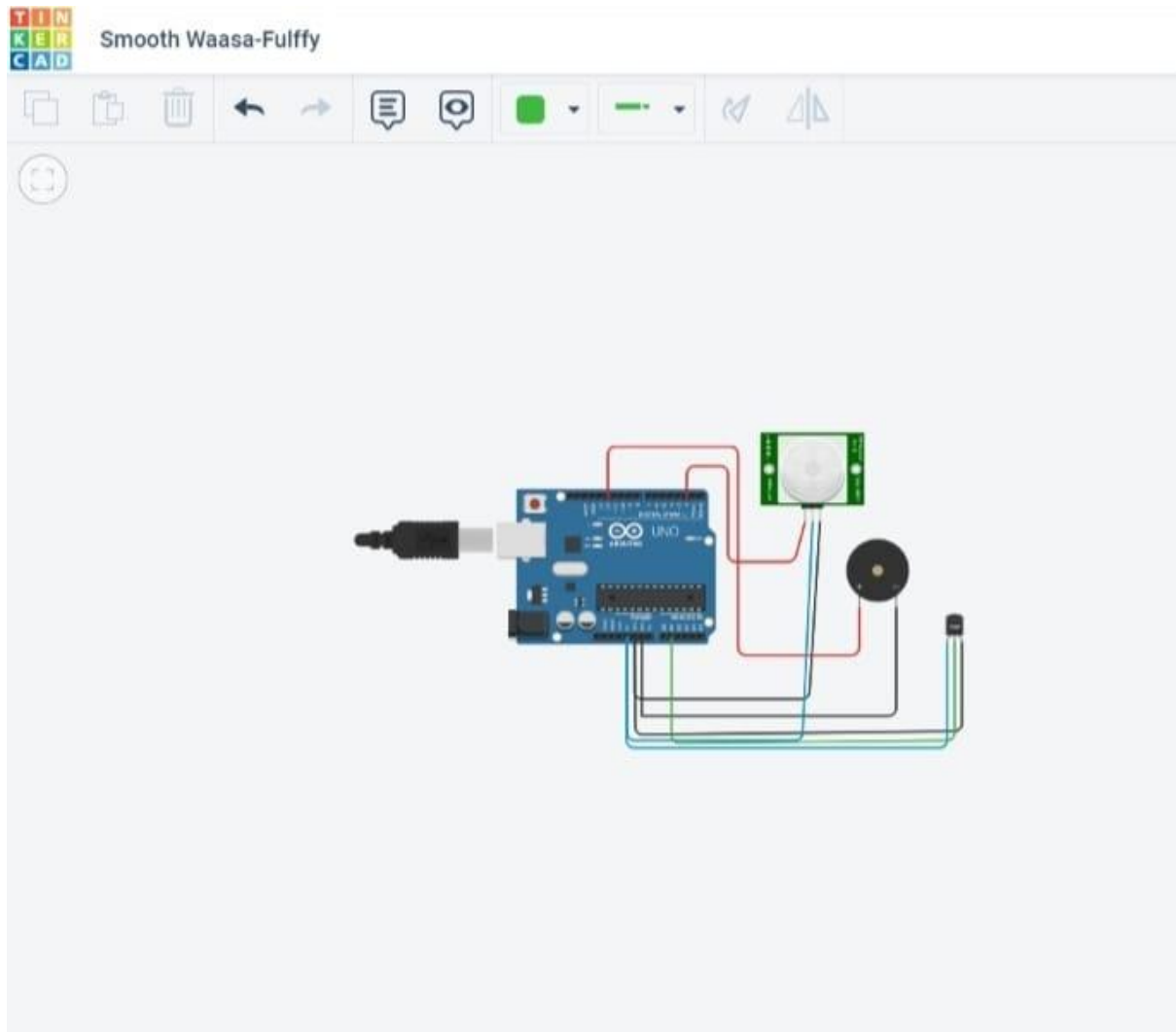


Assignment 1



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(2, INPUT);
7   pinMode(12, INPUT);
8 }
9
10 void loop()
11 {
12   int motion=digitalRead(2);
13   double data=analogRead(A1);
14   double n=data/1024;
15   double volt=n*5;
16   double off=volt-0.5;
17   double tem=off*100;
18   if(motion==1){
19     tone(12,200);
20     noTone(motion>1);
21     delay(200);
22   }
23   else if(tem>60){
24     tone(12,80);
25   }
26   else{
27     noTone(12);
28   }
29 }
```



Serial Monitor

CODE:

```
void setup()
{
  Serial.begin(9600);
  pinMode(2,INPUT);
  pinMode(12,INPUT);
}

void loop()
{
  int motion=digitalRead(2);
  double data=analogRead(A1);
  double n=data/1024;
  double volt=n*5;
  double off=volt-0.5;
  double tem=off*100;
  if(motion==1){
    tone(12,200);
    noTone(motion>1);
    delay(200);
  }
  else if(tem>60){
    tone(12,80);
  }
}
```

```
else{  
    noTone(12);  
}  
}
```

Assignment video link

<https://drive.google.com/file/d/1matm3m-O3eiPuM-rhCjm9bxuoiCBDMBM/view?usp=sharing>