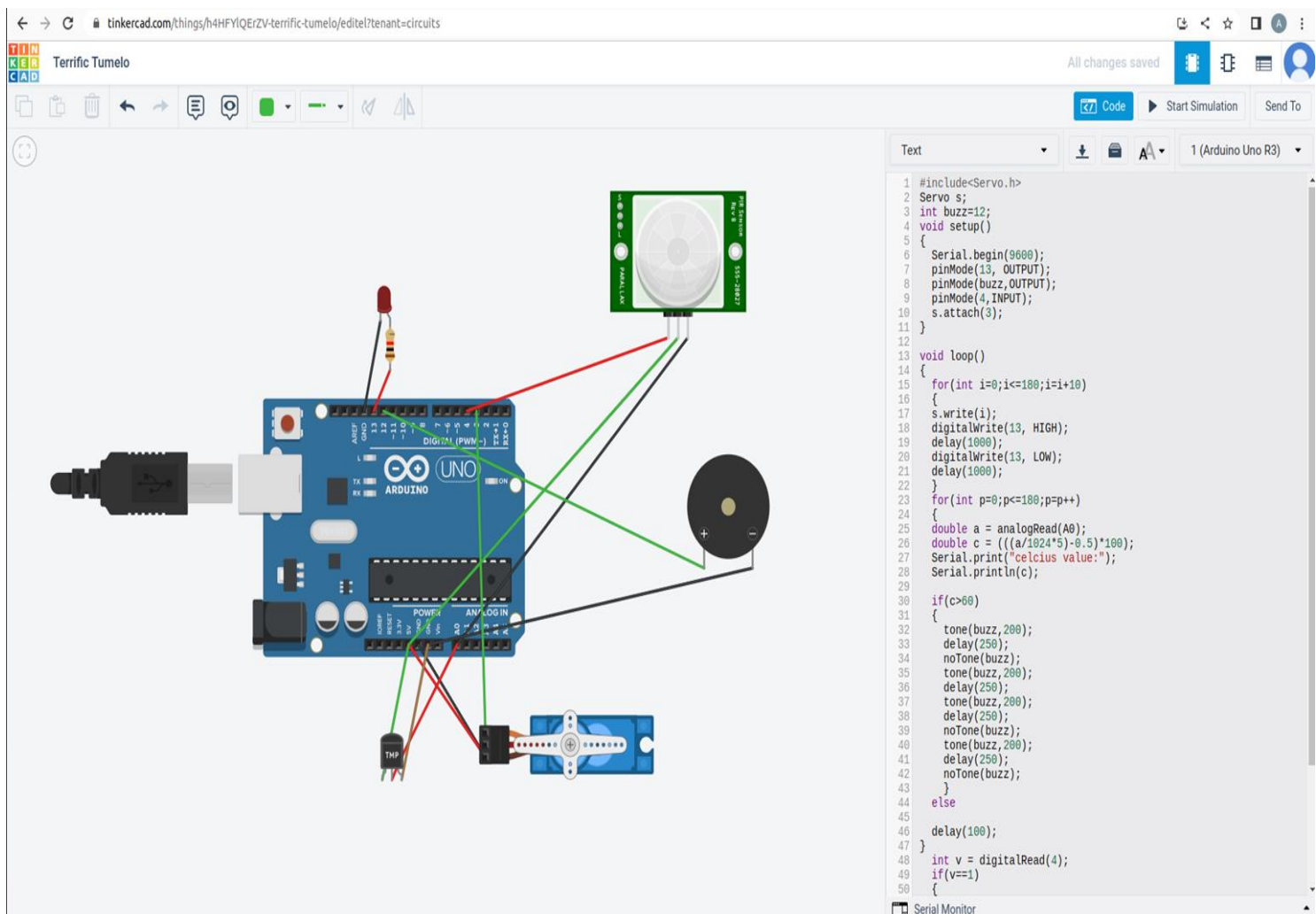


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Screenshot :



Code :

```
#include<Servo.h>
```

```
Servo s;
```

```
int buzz=12;
```

```
void setup()
{
  Serial.begin(9600);
  pinMode(13, OUTPUT);
  pinMode(buzz,OUTPUT);
  pinMode(4,INPUT);
  s.attach(3);
}
```

```
void loop()
{
  for(int i=0;i<=180;i=i+10)
  {
    s.write(i);
    digitalWrite(13, HIGH);
    delay(1000);
    digitalWrite(13, LOW);
    delay(1000);
  }
  for(int p=0;p<=180;p=p++)
  {
    double a = analogRead(A0);
    double c = (((a/1024*5)-0.5)*100);
    Serial.print("celcius value:");
    Serial.println(c);

    if(c>60)
    {
```

```
tone(buzz,200);
delay(250);
noTone(buzz);
tone(buzz,200);
delay(250);
tone(buzz,200);
delay(250);
noTone(buzz);
tone(buzz,200);
delay(250);
noTone(buzz);
}
else
```

```
delay(100);
}
int v = digitalRead(4);
if(v==1)
{
    Serial.println("motion detected");
    delay(100);
}
else
{
    Serial.println("motion not detected");
    delay(100);
}
```

}