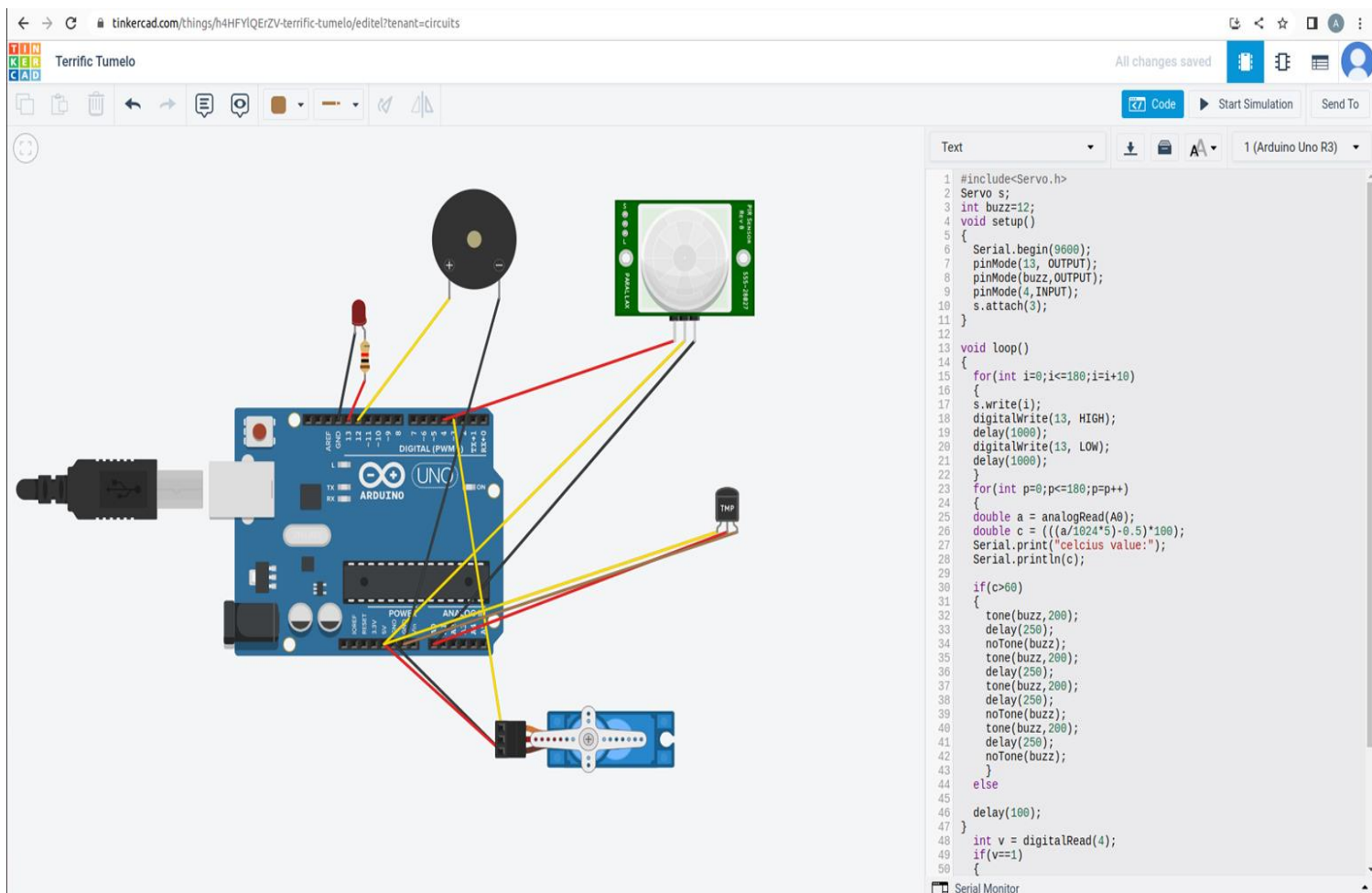


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Screenshot :



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);
}

}
```

